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Lancaster Farming

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Excessive nitrate levels in drinking water are capable of killing human infants and livestock, said Penn State water quality specialist Joe Makuch.

Nitrate poisoning

Are your family and livestock protected?

BY JACK HUBLEY

LANCASTER — Though human health problems associated with high nitrate content in drinking water are well documented, livestock can suffer as well.

So said Penn State water quality specialist Joe Makuch at a water quality workshop held at Lancaster's Farm and Home Center on Thursday. Makuch was one of four speakers addressing the growing problem of deteriorating water quality. Also featured were Earl Custer of Lancaster Laboratories, and Dr. William Sharp and Dr. Karen Mancl, both of Penn State.

Though nitrates themselves are not detrimental to human or animal health, the problem arises when bacteria in the digestive tract convert nitrates to nitrites. These compounds, in turn, react with hemoglobin in the blood to form methemoglobin, a chemical incapable of transporting oxygen in the bloodstream.

"So the symptoms you get are akin to suffocation," said Makuch, noting that human infants suffering from methemoglobinemia develop a bluish color around their lips and eyes that gradually

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Congress begins conference to finalize 1985 Farm Bill

BY JAMES H. EVERHART

WASHINGTON — Legislators this week began the process of ironing out the differences in the two versions of the 1985 Farm Bill passed by the separate houses of Congress.

A 61-member conference committee created by the Congress began its work on Thursday, attempting to reconcile the differences between the House version of the bill, passed in October, and the Senate Farm Bill approved late last month.

Meanwhile the Reagan Administration is looking on, hoping the legislators will come up with legislation it finds acceptable.

In a statement released this week, USDA Secretary John Block indicated some hope for the Senate version, although he said he had some reservations about the expenditures called for in the bill.

"The bill approved by the Senate does have some sections reflecting good farm policy," Block said in his statement. "However, the bill is still over our budgetary limitations. We look to the conference with guarded optimism and will be working daily with the conference committee in hopes that the committee will put together a bill that the president can sign."

A USDA spokesman indicated that Block's role would be relatively passive, in that the secretary would simply respond to ideas developed by the conference committee, rather than actively lobbying for specific provisions.

E. Kika de la Garza

On the Senate side, the members of the conference committee include Republicans Jesse Helms of North Carolina, Robert Dole of Kansas, Richard Lugar of Indiana, Thad Cochran of Mississippi and Rudy Boschwitz of Minnesota, and Democrats Edward Zorinsky of Nebraska, Patrick Leahy of Vermont, John Melcher of Montana and David Prior of Arkansas. All the Senate members are on the Senate Committee on Agriculture, Nutrition and Forestry.

House Agriculture Committee Chairman E. Kika de la Garza heads the delegation from the House of Representatives. The 52-member House contingent includes all the members of the Ag Committee, as well as several members each from the Ways and Means, Merchant Marine and Foreign Affairs committees. Many of the members will participate only in discussions on their area of experience, Congressional officials said.

The dairy title in the Senate's version of the 1985 Farm Bill would:

- Set the support price at $11.60 a hundredweight when the bill goes into effect.
- Authorize the Secretary of Agriculture to reduce support prices 50 cents ear, beginning Jan. 1, 1987 if pu.chases are expected to exceed five billion pounds of milk a year.
- Require a $1.00 a hundredweight price reduction, if

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Dairymen can vote on promotion agency

BY JAMES H. EVERHART

HARRISBURG — The complementary, and competitive, relationships between the various state, local and regional dairy promotion agencies once again comes to the fore this week in Federal Order 4.

Until Dec. 15, Order 4 dairymen may choose which of the various agencies are to receive two thirds of their 15 cents per hundredweight dairy promotion assessment.

Five cents automatically goes to the National Dairy Promotion program, financing an $80 million campaign of advertising, research, product development and promotion.

The remaining 10 cents per hundredweight can be distributed to the agency of the individual dairyman's choice — and Order 4 dairymen have until Dec. 15 to make their choice known.

If a dairyman does not indicate a preference, the "local" portion of his allocation will automatically go to the Middle Atlantic Milk Marketing Area (MAMMA) program. The MAMMA agency is responsible for the "Milk is Fitness You Can Drink" campaign, which uses professional sports personalities as celebrity spokesmen for milk.

On the other hand, those who wish to support other local or statewide programs must notify Order 4 Administrator Joseph D. Shine.

Their choices include the statewide "Make it Milk" campaign sponsored by the Pennsylvania Dairy Promotion Program. Currently, 4,000 Pennsylvania dairymen contribute to

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Dauphin Co. assessors reject Cassel's clean and green appeal

BY JAMES H. EVERHART

HARRISBURG — The Dauphin County Board of Assessment has turned down a "Clean and Green" appeal filed by the chairman of the County Conservation District.

DCCD Chairman Russ Cassel's appeal is confined to the board's assessment of his 290-acre dairy farm in South Hanover Township. But he anticipates that a favorable ruling would affect all of the landowners in the county who have elected to participate in the statewide Clean and Green Assessment Program.

Cassel is challenging the county Board of Assessment's 1985 Reassessment, which, in effect, simply doubled 1973 assessments of all real estate in the county.

Even though ag land would be valued the same, relative to other property in the county, Cassel contends the reassessment does not comply with the terms of the 1974 act which created the program.

The land, he contends, should

Russ Cassel

only be reassessed on the use value of the property, which, he says, has not doubled since 1973 — and may, in fact, have dropped.

His proposal would continue the ag land at 100 percent of the 1973 assessment levels rather than the 200 percent set by the assessment board for all Dauphin County real estate. If accepted, his plan would actually lower taxes paid by farmers participating in the program.

After being informed verbally of the board's rejection of his appeal, Cassel said that he would appeal the decision in county court. He also indicated he would try to interest the state Department of Agriculture in the case, since the decision will affect "clean and green" properties throughout the state.

The case could have wide-ranging impact on similar reassessments in other counties. Neighboring York County, for instance, recently announced plans for a countywide reassessment to begin next year.

Cassel noted in his appeal that use values have not risen in agriculture since 1976, and, in fact, net farm income has dropped by 57 percent, according to the Pennsylvania Dairy Farm Business Analysis Yearly Financial Summaries.

Farm Show—it's coming!

HARRISBURG — While most of the country is focusing on the approaching holidays, more than a few farm families are looking just beyond the season's festivities and thinking about the Pennsylvania Farm Show, scheduled for the week of Jan. 12.

And **Lancaster Farming** is doing its part too, getting ready for our Annual Farm Show Issue to be published Jan. 11.

We encourage all advertisers and news sources to make sure materials for this issue are forwarded to **Lancaster Farming** offices as soon as possible. Advertising deadline for the Farm Show Issue is Friday, Dec. 27. News deadline is Monday, Jan. 6, 1986.

Livestock market and auction news

Lancaster Market

Monday, Dec. 2
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	Goats
Monday's Receipts	1078	168	941	306	230
Last Monday	863	128	668	684	
Last Year	847	169	837	889	
Monday's Auction	1121	168	772	369	260
Last Monday's Auction	678	136	617	303	380

CATTLE: Compared to last Monday slaughter steers fully steady; slaughter heifers .50-1.00 higher; cows fully steady; bulls 1.50-2.00 higher. Supply included 60% slaughter steers, 20% slaughter heifers, 14% cows, and 6% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1400 lb. 66.00-68.60, individual 70.00; Choice 2-4 1200-1450 lb. 63.00-67.00, 1000-1200 lb. 62.50-67.10; mixed Good and Choice 2-3 1040-1375 lb. 58.75-63.00; Good 2-3 1090-1300 lb. 55.00-60.00; Choice 1-3 Holsteins 1300-1595 lb. 49.00-55.25, Good 1-3 44.25-49.00.

SLAUGHTER HEIFERS: High Choice and Prime 3-4 1050-1300 lb. 64.50-67.10, few individuals 67.75; Choice 2-4 900-1285 lb. 60.00-64.75; mixed Good and Choice 2-3 930-1250 lb. 55.50-60.00; Good 2-3 870-1220 lb. 51.00-55.00.

COWS: Breaking Utility and Commercial 2-4 35.00-38.75, few high dressing individuals 39.00-40.25; high Cutter and Boning Utility 1-3 34.25-36.75; Canner and low Cutter 30.00-34.25.

BULLS: Yield grade 1 1200-2100 lb. 46.00-52.50, few high dressing individuals 53.00-56.75; yield grade 2 1100-1900 lb. 43.25-47.00.

VEAL CALVES: Vealers and Calves to return to farm 5.00 higher. Supply included 15 head Prime special fed 300 lb. bought to arrive at 125.00.

VEALERS: High Choice and Prime 150-320 lb. 100.00-120.00; Choice 150-300 lb. 80.00-100.00; high Choice and low Choice 120-250 lb. 60.00-80.00, 80-120 lb. 40.00-55.00.

RETURNED TO FARM: Bulk 80-110 lb. Holstein bulls 65.00-85.00.

SHEEP: Slaughter lambs steady to firm; slaughter ewes steady.

WOOLED LAMBS: High Choice and Prime 85-110 lb. 70.00-76.00; Good and Choice 85-110 lb. 65.00-70.00

FEEDER LAMBS: Choice and Fancy 55-85 lb. 65.00-75.00.

SLAUGHTER EWES: Utility and Good 30.00-35.00.

GOATS: All goats sold by the head; Large steady to 10.00 lower, Medium and Small steady. Large mature 50.00-65.00; Medium 30.00-50.00; Small 15.00-30.00.

Vintage Market

Tuesday, Dec. 3
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1131	999	8	9
Last Tuesday	825	1032	12	61
Last Year	807	914	29	1

CATTLE: Compared to last Tuesday slaughter steers 2.00 lower; insufficient volume of slaughter heifers and bulls to test the market; cows fully steady. Supply included 49% steers and 46% cows.

SLAUGHTER STEERS: Few Prime 3-4 1175-1320 lb. 68.00-70.85; Choice 2-4 1045-1390 lb. 62.75-67.85, mostly 64.00-66.25; mixed Good and Choice 2-3 1115-1400 lb. 57.75-63.00; Good 2-3 1085-1310 lb. 53.00-58.00; Good and Choice 1-3 1190-1450 lb. Holsteins 43.75-46.75.

SLAUGHTER HEIFERS: Few Choice 2-4 950-1200 lb. 58.25-61.00, individual up to 64.00; Good 2-3 950-1175 lb. 53.00-58.00.

COWS: Breaking Utility and Commercial 2-4 34.75-38.75, few high dressing individuals 39.00-42.00; high Cutter and Boning Utility 1-3 33.00-37.50; Canner and low Cutter 1-2 30.00-33.50, few low dressing individuals 28.00-29.50.

BULLS: Yield grade 1-2 1350-2120 lb. 41.50-47.50, few yield grade 1 47.25-50.10.

VEAL CALVES: Vealers steady to 5.00 lower; calves to return to farm 3.00-5.00 lower. Supply included 679 in graded sale of which 70% sold to return to farm.

VEALERS: Few Prime 205-275 lb. 88.00-94.00; Choice 150-335 lb. 69.00-85.00; high Good and low Choice 130-325 lb. 49.00-72.00, 100-130 lb. 35.00-50.00, 80-100 lb. 30.00-46.00.

RETURNED TO FARM: Holstein bulls 100-120 lb. 70.00-85.00, bulk 78.00-85.00; 90-100 lb. 66.00-78.00.

SHEEP: No market test.

GOATS: No market test.

Lancaster Auction

Wednesday, Dec. 4
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	
Today	188	16	386	24	3
Last Wednesday	201	23	235	16	0
Last Year	303	57	630	0	0
Wednesday's Auction	156	33	345	0	0
Last Wednesday's Auction	156	23	267	0	0

CATTLE: Limited sales slaughter steers and heifers fully steady; cows weak in a light test, with quality and weight condition not as attractive as Monday. Supply included 59% cows.

SLAUGHTER STEERS: Few high Choice 2-4 1250-1420 lb. 66.50-67.35; Choice 2-4 1150-1430 lb. 62.75-66.85; mixed Good and Choice 2-3 1080-1290 lb. 61.00-62.75.

SLAUGHTER HEIFERS: Few Choice 2-4 955-1140 lb. 60.00-63.75; mixed Good and Choice 2-3 950-1145 lb. 55.00-60.00.

COWS: Few Breaking Utility 2-4 34.00-39.75; high Cutter and Boning Utility 1-3 33.00-36.75, few low dressing individuals 30.50-33.25; Canner and low Cutter 1-2 28.00-32.75; excessively full Canners 23.50-28.25.

BULLS: Absent.

VEAL CALVES: No market test.

SHEEP: No market test.

GOATS: No market test.

New Holland Livestock

New Holland, Pa.
Thursday, Dec. 5

	Cattle	Calves	Sheep	Goats
Today	1107	860	59	22

CATTLE: No Trends available due to no sale last Thursday because of Thanksgiving holiday. Trade moderate on slaughter steers, cows active. Supply included 53% cows.

SLAUGHTER STEERS: Few high choice prime 2-4 1170-1405 lbs. 66.70-67.60; Choice 2-4 1055-1200 lbs. 61.00-65.25 1200-1400 lbs. 62.00-66.00. Mixed good & choice 2-3 1100-1400 lbs. 57.00-61.25, good 1-3 900-1350 lbs. 54.00-58.25; choice 1-3 1300-1520 lbs. holsteins 48.50-50.00; Mixed good & choice 1-3 44.25-48.50.

SLAUGHTER HEIFERS: Choice 2-4 1050-1320 lbs. 59.00-63.85; few good 1-2 1300-1330 lbs. 64.25-64.60 mixed good & choice 2-3 1000-1250 lbs. 54.00-58.75.

COWS: Breaking utility & comm. 2-4 35.00-40.00 few high dressing incls. 40.00-42.00. High cutter & boning utility 1-3 33.75-37.00; canner & low cutter 1-2 29.50-34.75, few low dressing incls. 27.00-30.00.

BULLS: Yield grade 1 1150-1880 lbs. 48.00-53.50. few high dressing incl. 54.25-55.00; yield grade 2 1000-2070 lbs. 42.00-48.50.

VEALERS: Prime 215-345 lbs. 100.00-114.00; choice 140-335 lbs. 75.00-97.00 high good & low choice 140-320 lbs. 54.00-75.00 100-120 lbs. 48.00-55.00 80-100 lbs. 42.00-51.00.

RETURNED TO FARM: Bulk 90-120 lbs. holstein bulls 76.00-88.00, few 64.00-78.00.

WOOLED LAMBS: Prime 90-115 lbs. 73.00-74.00; choice 85-115 lbs. 70.00-72.00; Good 85-110 lbs. 67.00-69.00.

SLAUGHTER EWES: Utility & good 23.00-37.00.

GOATS: All goats sold by the head; large 42.00-55.00; medium 30.00-40.00; small 15.00-26.00.

Lancaster County Weekly

Friday, December 6
Report Supplied by PDA

	Cattle	Calves
This Week	4155	2100
Last Week	2192	1183
Last Year	3479	2228

CATTLE: Sl. steers closed 1.00-2.00 lower after opening steady; sl. heifers 1.00 lower; cows firm; bulls 1.50-2.00 higher.

SLAUGHTER STEERS: High Choice & Prime 2-4 1170-1400 lbs. 66.50-68.00, early sales 68.00-70.85; Choice 2-4 1050-1200 lbs. 61.00-65.50, 1200-1400 lbs. 62.00-66.00; mixed Good & Choice 2-3 1040-1400 lbs. 57.00-61.25, early sales up to 63.00; Good 1-3 1000-1350 lbs. 53.00-58.25; Choice 1-3 1300-1520 lb. holsteins 48.50-51.35; mixed Good & Choice 1-3 44.25-48.50.

SLAUGHTER HEIFERS: High Choice & Prime 2-4 1050-1300 lbs. 64.50-67.25 early; Choice 2-4 1050-1320 lbs. 59.00-63.85; few Good 1-2 1300-1330 lbs. 64.25-64.60; mixed Good & Choice 2-3 1000-1250 lbs. 54.00-59.00.

COWS: Breaking Utility & Commercial 2-4 35.00-40.00, few high dressing individuals 40.00-42.25; high Cutter & Boning Utility 1-3 33.00-37.50; Canner & low Cutter 1-2 30.00-34.75; few low dressing Canners 27.00-30.00.

BULLS: YG 1 1150-2120 lbs. 47.50-53.50; high dressing individual 54.25-56.75; YG 2 1000-2070 lbs. 42.00-48.50.

VEAL CALVES: Vealers closed 5.00-10.00 higher; calves returned to farm steady.

VEALERS: Prime 215-345 lbs. 100.00-114.00, few up to 120.00; Choice 140-335 lbs. 75.00-97.00; high Good & low Choice 140-320 lbs. 54.00-75.00, 100-120 lbs. 48.00-55.00, 80-100 lbs. 42.00-51.00.

RETURNED TO FARM: Bulk 90-120 lb. holstein bulls 76.00-88.00, few 64.00-78.00.

Weekly Summary

Harrisburg, PA
Friday, December 6
Report supplied by PDA
15 Livestock Markets

CATTLE: 6192. Compared with 3901 head last week and 5830 head a year ago. Steers steady to 2.00 lower; heifers & bulls steady to strong; cows mostly steady; High Choce & Prime 66.00-68.60; Choice 60.50-67.75; Good 52.00-62.00; Standard 45.00-53.50; Choice heifers 58.00-64.75; Good 51.00-58.75; Standard 41.50-51.50; cows 35.00-39.00; Cutter & Boning Utility 32.50-37.00; Canner & Cutter 27.00-34.50; shells 20.00; bullocks few Good & Choice 50.00-60.00; bulls Yield Grade No. 1, 1200-2100 lb. 44.00-52.00; No. 2, 900-1400 lb. 39.75-45.00.

FEEDER CATTLE: Large & Med. No. 1, 300-800 lb. stees 49.00-59.00; heifers Large & Med. No. 1, 300-700 lb. 38.00-48.50.

CALVES: 4232. Compared with 2922 head last week and 4654 head a year ago. Vealers uneven; Good & Choice Grades steady to 3.00 higher; Standard & Low Good steady to 5.00 lower; few High Choice & Prime 100-120 lb. 75.00-100.00; Good 60.00-78.00; 90-110 lb. 40.00-54.00; 70-90 lb. 30.00-49.00.

FARM CALVES: Holstein bulls 90-130 lb. 60.00-95.00.

HOGS: 4719. Compared with 4856 head last week and 7218 head a year ago. Barrows & Gilts uneven, mostly steady to .75 higher; No. 1-2, 210-250 lb. 46.00-48.50; No. 2-3, 200-260 lb. 44.25-47.50; few No. 2-4, 240-280 lb. 42.60-46.00; few No. 1-3, 175-200 lb. 42.00-45.00; sows steady to weak; No. 1-3, 300-700 lb. 35.50-40.00; boars 26.00-36.00.

FEEDER PIGS: 699. Compared with 981 head last week and 1294 head a year ago. Few No. 1-3, 15-35 lb. 13.00-26.00; 30-55 lb. 20.00-46.00.

2 GRADED FEEDER PIG SALES: 1353. Compared with 1293 head last week and 2330 head a year ago. Mostly steady to 10.00 higher; No. 1-2, 20-30 lb. 95.00-115.00, few to 130.00; 30-40 lb. 71.00-83.00; 40-50 lb. 74.00-89.00; 50-60 lb. 65.00-91.00; 60-70 lb. 66.00-72.00; No. 2-3, 30-40 lb. 70.00-87.00; 40-50 lb. 76.00-79.00; 50-70 lb. 60.00-69.00; all per hundred weight.

SHEEP: 824. Compared with 768 head last week and 1567 head a year ago. Mostly steady; High Choice & Prime 75-110 lb. 66.00-76.00; Choice 65-110 lb. 60.00-71.00; Good 50-100 lb. 50.00-60.00; Good & Choice 60.00-85.00; feeder lambs 67.00-75.50; sl. ewes 13.00-36.00.

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HOG MARKETS

New Holland Feeder Pigs
New Holland, Pa.
Wednesday, Dec. 4
Report supplied by Auction

Today	767
Last Wednesday	815
Last Year	1237

Trend: Compared to last Wednesday US 1-2 feeder pigs fully steady, US 2-3 10.00-15.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2 47 head 19-29 lbs. 111.00-130.00; 104 head 30-39 lbs. 75.00-87.00; 170 head 40-49 lbs. 75.00-89.00; 114 head 50-59 lbs. 74.00-79.00; 25 head 50 lbs. 91.00; 71 head 60-75 lbs. 61.00-72.00.

US 2-3: 46 head 30-39 lbs. 80.00-87.00; 71 head 40-49 lbs. 76.00-79.00; 69 head 50-70 lbs. 62.00-69.00.

Lancaster Feeder Pigs
Tuesday, Dec. 3
Report supplied by USDA

Today	554
Last Tuesday	478
Last Year	868

TREND: Compared to last Tuesday feeder pigs mostly 2.00-6.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 15 head 20-29 lbs. 90.00-104.00; 43 head 30-39 lbs. 71.00-81.00; 76 head 40-49 lbs. 74.00-84.00; 136 head 50-60 lbs. 65.00-76.00.

US 2-3: 27 head 32-39 lbs. 70.00-78.00; 24 mostly with tails 50-68 lbs. 50.00-65.00.

New Holland Hogs
New Holland Sales Stables
Monday, Dec. 2
Report supplied by auction

Today	1081
Last Monday	1210
Last Year	1703

TREND: Compared to last Monday barrows and gilts steady to 1.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 46.00-47.50.

US 1 Few 210-250 lb. 47.50-48.50.

US 1-3 200-260 lb. 44.50-45.50.

Lancaster Hogs
Lancaster Stockyards
Saturday, Nov. 30
Report supplied by auction

650 head.

US 1, 220-240 lbs., 49.25-51.75; US 1 & 2, 215-245 lbs., 48.00-48.75; US 1 & 3, 215-250 lbs., 47.00-47.75; US 2 & 4, 215-250 lbs., 46.00-46.75; Sows, all weights, 34.75-39.75; Boars, all weights, 34.75-36.00.

Vintage Hogs
Vintage Sales Stables
New Holland, Pa.
Saturday, Nov. 30
Report Supplied by Auction

US 1-2 210-255 lb. 45.75-46.75; US 2-3 212-250 lb. 45.50-46.00.

Sows: 355-595 lb. 36.00-37.00.

Boars: 230-535 lb. 32.75-35.00.

Indianapolis Hogs
Thursday, Dec. 5
Report supplied by USDA

700 - Barrows & gilts moderately active, fully 50 higher.

US 1-3 225-260 lb. 47.50-48.25, mostly 48.00.

SOWS: Active; steady, with weights over 600 lb. not tested early. (13%).

US 1-3 Few 410-490 lb. 37.00-38.00.

BOARS: Over 400 lb. 34.00.

St. Louis Hogs
Thursday, Dec. 5
Report supplied by USDA

3500 - Barrows & gilts fairly active, under 260 lb. 1.00 higher, over 260 lb.

US 1-3 210-260 lb. 47.50-48.00.

US 2-3 260-270 lb. 47.00-47.25, mostly 47.00; 270-290 lb. 46.00-46.50.

SOWS: Under 500 lb. 50 higher; over 500 lb. steady-1.00 higher.

US 1-2 300-500 lb. 38.50-38.75; US 1-3 over 500 lb. 41.00-44.00.

BOARS: All weights 38.00.

Peoria Hogs
Thursday, Dec. 5
Report supplied by USDA

2200 - Barrows & gilts active, 1.00 higher.

US 1-2 200-240 lb. 48.00-48.50, 150 head 48.75.

US 1-3 200-250 lb. 47.00-48.00.

SOWS: Steady. (19%)

US 1-2 300-350 lb. 39.00; 350-500 lb. 38.00-38.50.

US 1-3 500-650 lb. 41.00-42.00.

Lancaster Hogs
Lancaster Stockyards
Monday, Dec. 2
Report supplied by USDA

HOGS: Compared to last Monday barrows and gilts 1.00 higher; sows steady.

BARROWS AND GILTS: US 1-2 210-250 lb. 47.00-48.00; US 1 210-250 lb. 49.50-50.50; US 1-3 220-250 lb. 46.00-47.00; 190-220 lb. 44.25-45.00.

SOWS: US 1-3 300-600 lb. 38.00-39.75.

Tuesday, Dec. 3

Today	116
Last Tuesday	106
Last Year	120

TREND: Limited sales of Barrows and gilts steady compared to Monday.

BARROWS AND GILTS: US 1-3 210-250 lb. 47.00-48.00; US 1 Few 220-240 lb. 50.35; US 2-3 220-260 lb. 46.00-47.00.

Wednesday, Dec. 4

HOGS: Compared to Monday barrows and gilts near steady; sows steady.

BARROWS AND GILTS: US 1-2 210-250 lb. 47.00-48.50; US 1 Few 220-250 lb. 50.00; US 2-3 220-260 lb. 46.00-47.50.

SOWS: US 1-3 300-500 lb. 38.50-39.00.

Frederick Co. Hay
Buckeystown, Md.
Thursday, Dec. 5
Report supplied by auction

38 loads. Market steady to strong on all grades Hay and Straw.

Alfalfa, 8 lds. fair to good 90.00-111.00, 8 lds. fair some dark 71.00-87.50.

Timothy, 2 lds fancy 99.00 & 100.00, 4 fair to good 80.00-95.00; Mixed Hay, 2 lds. good 82.00-85.00, 4 fair 74.00-77.50; Orchard Grass, 2 lds. 64.00-88.00; Clover, 1 ld. 61.00; Straw 3 lds. good 86.00-110.00; Oats 1 ld. 1.60 bu.; Firewood 80.00 cord.

Christmas Party Dec. 19th.

New Holland Hay
New Holland Sales Stables
Monday, Dec. 2
Report supplied by auction

99 loads.

Alfalfa, 50.00-172.50; Mixed Hay, 53.00-100.00; Timothy, 59.00-87.00; Clover, 75.00; Straw, 61.00-110.00; Ear Corn, 52.00-69.00; Oats, 2 lds., 1.65 and 2.05 bu.

Grass, 62.00-71.00.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock

	CATTLE	CALVES	HOGS	SHEEP
Week To Date (Est.)	495,000	50,000	1,240,000	100,000
Same Pd. Lt. Wk. (Est.)	388,000	38,000	954,000	75,000
Same Pd. Lt. Yr. (Act)	546,000	52,000	1,386,000	104,000

Chicago Grain Futures

(Closing Bids as of Thursday, Dec. 5)

Mo.	Corn	Wheat	Soybeans	Soybean Meal
Nov.				
Dec.	2.42¾	3.40		143.60
Jan.'86			5.07½	144.00
Mar.'86	2.44¼	3 42	5.16½	145.00
May '86	2 47¼	3.19¾	5.26¾	146.50
July '86	2.47¼	2.91¼	5.33¼	147.00
Aug. '86			5.31½	146.50
Sept. '86	2.35½	2 91½		143.00
Nov. '86			5.12	
Dec. '86	2.29¾	3.02		143.60
Jan. '86			5.22½	

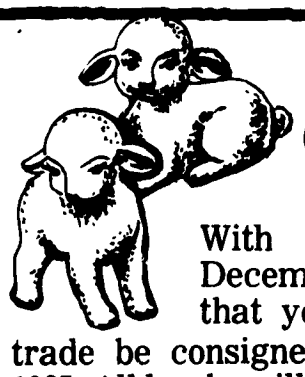
Trends - Corn - firm, Soybeans - firm; Wheat - firm; Soybean Meal - firm

Futures Trading

(Closing Bids as of Thursday, Dec. 5)

Mo.	Chicago Cattle	Chicago Hogs	NY Maine Potatoes
Nov.			
Dec.	67 42	50.25	
Feb. 86'	63 90	48.32	
Apr. 86'	62.35	43.35	
May 86'			2.35
June 86'	62.20	45.20	
July 86'		45.17	
Aug. 86'	60.70	43.65	
Oct. 86'	59 45	40.55	
Nov. '86			3 40

Trends - Cattle - firm to steady, Hogs - firm to stronger



LAMB CONSIGNORS

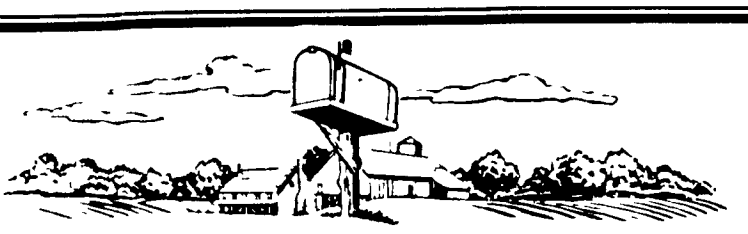
An Important Notice

With Christmas on Wednesday, December 25, 1985, we recommend that your lambs for the Christmas trade be consigned on Monday, December 16, 1985. All lambs will be sold at auction beginning at 10:00 A.M. and will be sorted and weighed upon arrival.

KEEP IN MIND this Monday for consigning your lambs - December 16, 1985 - and your consignments are respectfully solicited. Sorting and weighing will begin at 5:00 A.M.

FEEDER SALE
FRIDAY, DECEMBER 13th
80 Charolais Cross-Steers And Heifers Weighing From 700-900 Lbs., From Northern PA And 100 Other Local Cattle.

Walter M. Dunlap and Sons
Lancaster Stockyards
Tel. (717) 397-5136
An Old Line Commission Firm Keeping Abreast With The Times



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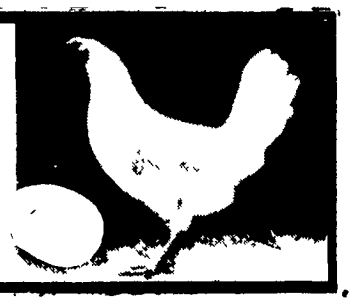
POULTRY MARKETS



Weekly New York Egg Market National Quotes

From Friday, Nov. 29 to Thursday, Dec. 5

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	.86	.86	.84	.81	.79
Ex. Large	.82	.82	.82	.80	.78
Large	.82	.82	.82	.80	.78
Medium	.75	.75	.75	.74	.72
Pullets	.56	.56	.56	.54	.52
Off Grade	.71	.71	.69	.67	.65
BROWN					
Jumbo	—	—	—	—	—
Ex. Large	.93	.93	.93	.93	.91
Large	.90	.90	.90	.90	.88
Mediums	.75	.75	.75	.75	.73
Pullets Unquoted					
Peewees Unquoted					
Off Grade					
Undergrades	.38	.38	.37	.36	.35
Checks	.36	.36	.35	.34	.33

Northeast Breaking Stocks

Friday 44.00-47.00; Tuesday 43.00-45.00; Wednesday 42.00-44.00; Thursday 41.00-44.00.

N.E. Weekly Shell Egg Report

Tuesday, Dec. 3
Report Supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to ret... stores:

	Ex. Large	Large	Medium	Small
N. HAMP.	.88-.92	.86-.90	.78-.82	.53-.57
Mostly	.90-.91	.88-.89	.80-.81	.55-.56
R.I.	.87-.95	.85-.93	.77-.85	.52-.60
Mostly	.87	.85	.77	.52
VERMONT	.95-1.00	.89-.98	.77-.92	
Mostly	1.00	.98	.90	
MAINE	.95-1.02	.93-1.00	.85-.92	.60-.67.

X Includes Central and Western Sections only.

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Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 3
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .80-.96 per lb.

MUSCOVY DUCKS, HENS: range .72-.86 per lb.

PEKIN DUCKS: range .30-.46 per lb.

RED FOWL: 4-5 lbs. range .10-.26 per lb.

RED FOWL: 5-6 lbs. range .26-.44 per lb.

CROSSBRED FOWL: 5-10 lbs. range .20-.42 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .42-1.00 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .30-.62 per lb.

GUINEA FOWL: range 1.25-1.45 per lb.

BANTY ROOSTERS: range 1.50-4.50 ea.

BANTY HENS: range .35-1.00 ea.

LEGHORN HENS: range .08-.20 per lb.

LEGHORN ROOSTERS: (not enough)

GEESE: 8-10 lbs. range .22-.34 per lb.

TURKEYS: (not enough)

PIGEONS: 1.25-1.60 ea.

WHITE PIGEONS: range 2.00-3.00 ea.

SILKIES: range 5.25-6.10 ea.

DOVES: range 2.35-3.00 ea.

RABBITS: 4-6 lbs. range .60-.92 per lb.

RABBITS: 7-11 lbs. range .20-.54 per lb.

CHUCKERS: 3.75-4.10 ea.

BUNNIES: .75-3.00 ea.

GUINEA PIGS: range .10-2.25 ea.

GOATS: (not enough)

KID GOATS: (not enough)

TOTAL NUMBER COOPS: 548.

Delmarva Poultry

Thursday, Dec. 5
Report supplied by USDA

Market Comment: Trading on both ready to cook whole birds and parts was light and disappointing. Offerings were generally fully adequate to ample and despite widespreawd discounting product was slow in clearing.

Live supplies were ample. Weights continued mixed but mostly desirable to heavier than desired. Slaughter schedules were moderate overall. The undertone was weak and unsettled.

Today's L.T.L. asking prices were generally 2 cents lower on U.S. Grade A at .49-.56 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/5 1,880,000; Actual 11/28 (no kill).

Actual 12/3 1,781,000; Average Weights 12/3 4.41; Average Weights 11/26 4.31.

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Lebanon, PA 17042
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Philadelphia Eggs

Thursday, Dec. 5
Report supplied by USDA

Market Comment: Prices were unchanged under a weak and unsettled market tone. Cartoned egg movement varied but was generally only fair at best. Graded and ungraded supplies were in excess .overall and competitively priced in an effort to improve movement. Some traders were attempting to set retail featuring in an effort to stimulate consumer buying.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .79-.81; A Large .78-.80; A Medium .70-.72.

Eastern Pa. & N.J. Poultry

Wednesday, Dec. 4
Report supplied by USDA

Market Comment: Prices trended as much as three cents lower. Seller offerings were fully adequate and heavier than expect for this time of year. Demand was only fair for both the live birds and the canner pack product.

Prices Paid at Farm:

Light Type Hens: .15-.18, mostly .17.

F.O.B. Plant: .18-.22, mostly .20-.20¾.

New York Multiple Drop Broiler Report

Thursday, Dec. 5
Report supplied by USDA

Current broiler-fryer negotiated prices for immediate delivery includes mostly multiple drop shipments to New York City from Delmarva.

Range: U.S. Grade A .49-.58.

Weighted AVG.: U.S. Grade A 55.24.

Premium (X) Boxes 9,746.

(X) Includes special services, selected competitive brands, etc.

Greencastle Hay

Greencastle, Pa.
Monday, Dec. 2

13 loads; Alfalfa 84.00 to 96.00/ton; Mixed 55.00 to 80.00/ton; Straw 74.00/ton.

Peoria Cattle

Thursday, Dec. 5
Report Supplied by USDA

Trading moderately active on moderate supply. Demand moderate. Slaughter steers .50 to 1.00 higher, except holstein steers 2.00 to 3.50 higher. Slaughter Heifers .50 to 1.50 higher. Cows closed weak to 2.00 lower. Bulls 1.00 to 3.00 lower. Supply mainly good to average choice Slaughter Steers and Heifers with 9% Cows. Estimated receipts about 1900 as compared with 1882 a week ago and 1977 a year ago.

SLAUGHTER STEERS: few choice 2-3 1150-1285 lbs. 65.50-67.00. Choice 2-4, mostly 3 1050-1250 lbs. 65.00-67.50, mostly 65.50-66.50; 1000-1050 lbs. 64.50-66.00. Mixed Good and Choice 2-3 950-1200 lbs. 62.00-65.50. Good 2-3 900-1050 lbs. 60.50-64.00. Couple packages good, few Choice 2-3 Holsteins 1350-1400 lbs. 56.50-58.00.

SLAUGHTER HEIFERS: Few Choice 2-3 1150 lbs. 65.50. Choice 2-4, mostly 3 950-1100 lbs. 63.00-65.50, mostly 64.00-65.50; 900-950 lbs. 62.00-65.50. Mixed Good and Choice 2-3 900-1100 lbs. 60.50-64.00. Good 2-3 800-950 lbs. 60.50-64.00.

COWS: Breaking Utility and Commercial 2-3 34.00-35.00. Cutter and Boning Utility 1-2 30.00-35.00, few high dressing 35.00-36.50. Canner and low Cutter 28.00-34.00, few shelly canners 25.00-30.00.

BULLS: YG 1-2 1200-1800 lbs. 38.00-45.00.

DEKALB
Two Ways To Improve Your Profit Picture
XL & DK
Two layers with distinctly different characteristics... From two separate research programs.
You don't have to buy from two different companies to get the two top layers on the market.
The XL shows excellent production under many management conditions. The DK responds best to finely tuned, close management.
DEKALB Layers are bred to possess the economic traits most applicable to your operation. You do have a choice .. The high productivity XL or the high efficiency DK

Moyer's CHICKS, INC.
DEKALB BROWN & WHITE EGG LAYERS
Quakertown, PA 18951
(215) 536-3155
HUBBARD WHITE MT. BROILERS

PENNFIELD PROMOTES DAIRY PROFIT PROGRAM

Good financially sound businesses have as their foundation a good accounting system that provides accurate records showing the operating conditions on a timely basis. The good manager is able to use these records to: 1) correct profitability problems, 2) plan necessary cash requirements, 3) analyze feasibility of equipment purchases and 4) develop future operating plans.

In order to insure the financial soundness of our dairy customers, Pennfield is establishing a program to promote timely and accurate dairy profit management. To participate in Pennfield's Dairy Profit Program, the dairyman needs the following:

1) An approved farm financial records program;

2) The records program must have the operation set up by enterprise. i/e. 1) cropping, 2) dairy, 3) poultry;

3) The records program must furnish accurate monthly reports for each enterprise.

Mr. Peter Knutsen, left, Pennfield Dairy Specialist with Mr. Paul King, Cochranville, reviewing his farm financial records.

For approved customers participating in the Pennfield Dairy Profit Program, Pennfield will help the dairyman pay for his 1986 farm financial records program. Payment will be based as follows:

$1.00 per ton of complete feed purchased
$3.00 per ton of concentrate purchased
up to 50% of the total bill, but not to exceed $300.00

THIS PROGRAM IS EFFECTIVE FOR THE 1986 CALENDAR YEAR!

For More Information - Call Toll Free

From PA
1-800-732-0467

From MD, DE & NJ
1-800-233-0202

pennfield feeds

Quality - Performance - Service

Carroll Co. Hay

Carroll Co., Md.
Tuesday, Dec. 3
Report supplied by auction

Hay, 14 loads, Alfalfa Hay, very good, 93.00-95.00 a ton; Timothy 74.00-78.00; Timothy & Clover Mixed 78.00-85.00; Clover Hay 62.00; Wheat Straw 60.00; Oat Straw 90.00 a bale; Wood 50.00 a cord.

Keister's Hay & Straw

Keister's Middleburg Auction
Tuesday, Dec. 3
Report supplied by auction

17 loads.

Alfalfa 90.00; Mixed Hay 52.50-82.50; Straw (4 loads) 60.00-77.00; Oats (2 loads) 130.00-135.00 bu.; Firewood, 37.50-57.50 load.

King's Hay

Kirkwood, Pa.
Tuesday, Dec. 3
Report supplied by auction

Alfalfa 77.00-101.00; Mixed Hay, 65.00-70.00; Timothy and Mix, 65.00-112.00; Clover Mix, 82.00; Grass Mix, 77.00; Wheat Straw, 80.00-86.00; 1 load Rye Straw, 79.00.

Hagerstown Hay

Hagerstown, Md.
Wednesday, Dec. 4
Report supplied by auction

Alfalfa, 50.00-112.00; Grass, 80.00; Mixed Hay, 75.00.

Next Sale Dec. 11.

Leinbach's Hay

Shippensburg, Pa.
Friday, Nov. 29 and Dec. 3
Report supplied by auction

25 Loads.

Alfalfa, 55.00-117.50 ton, mixed hay 45.00-81.00, timothy 60.00-71.00, straw 60.00-81.00, fireplace wood by pickup load 27.00-42.00.

Pa. Grain

Monday, Dec. 2
Report supplied by PDA

(*MANY REPORTERS CLOSED TODAY DUE TO THE FIRST DAY DEER SEASON).

Compared with last Monday's market for Southeastern, Central & South Central Pa.: Corn steady to 5 cents higher; Wheat, Oats and New Ear Corn steady to strong; Barley steady to 10 cents higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pennsylvania

Corn No. 2-y range 2.25-2.55, average 2.40, 1986 Crop* 2.16-2.54; @Wheat No. 2 range 2.87-3.44, average 3.12, 1986 Crop* 2.58-2.90; Barley No. 3 range 1.40-1.65, average 1.58, 1986 Crop* 1.00-1.75; Oats No. 2 range .90-1.30, average 1.07, 1986 Crop* .80; Soybeans No. 1 range 4.60-4.80, average 4.73, 1986 Crop* 4.55; *Gr. Sorghum #2 range 2.10, average 2.10; #New Ear Corn range 48.00-60.00, average 52.37.

Central Pennsylvania

Corn No. 2-y range 2.10-2.35, average 2.26; @Wheat No. 2 range 2.70-2.80, few reported 3.10, average 2.76; Barley No. 3 range 1.45-1.65, average 1.57; Oats No. 2 range .90-1.10, average 1.00; Soybeans No. 1 range 4.45-4.60, average 4.52; *+Buckwheat range 8.00, average 8.00; #New Ear Corn range 40.00-52.00, average 46.00.

South Central Pennsylvania

Corn No. 1-y range 2.00-2.30, average 2.18; @Wheat No. 2 2.50-2.90, average 2.60; Barley No. 3 range 1.55-1.80, average 1.60; Oats No. 2 range .95-1.25, average 1.06; #New Ear Corn range 45.00-53.00, average 49.50.

Western Pennsylvania

Corn No. 1-y range 2.05-2.35, average 2.21; @Wheat No. 2 range 2.65-2.80, average 2.73; Oats No. 2 range .85-1.20, average 1.03; #New Ear Corn range Few Reported 52.00, average 52.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.10-2.50, average 2.32; @Wheat No. 2 range 2.60-3.44, average 2.90; Barley No. 3 range 1.45-1.65, average 1.57; Oats No. 2 range .90-1.25, average 1.04; Soybeans No. 1 4.45-4.80, average 4.64; *New Ear Corn range 42.00-55.00, average 51.12.

Green Dragon Hay

Friday, Nov. 29
Report supplied by PDA

59 Loads Hay, 32 Straw and 3 Ear Corn.

Alfalfa 57.00-120.00, mostly 66.00-101.00; Mixed Hay 40.00-121.00, mostly 51.00-85.00; Timothy hay 72.00-90, one load 123.00; Red Canary Grass 2 loads 50.00 & 54.00; Stubble hay one load 68.00; Straw 57.00-76.00, one load 94.00; Ear Corn 51.00-77.00; Corn Fodder one load 35.00; Oats 5 loads 1.60-1.70 per bu., one load at 1.10.

Dewart Livestock

Dewart, Pa.
Monday, November 25, 1985

12 Loads Hay.

Alfalfa few 61.00-71.00, one load 91.00; Mixed Hay 54.00-64.00.

New Holland Sales Stables

New Holland, Pa.
Monday, Nov. 25

104 Loads Hay, 36 Straw and 5 Ear Corn.

Alfalfa 60.00-130.00, mostly 70.00-120.00; Mixed Hay 41.00-116.00, mostly 50.00-101.00; Timothy Hay 53.00-100.00, mostly 64.00-85.00; Clover, 2 loads 53.00 & 70.00; Straw 55.00-90.00; Ear Corn 62.00-86.00; Corn Fodder one load 43.00; Oats 3 loads 1.20-2.05 per bu.

Leinbach Farm Market

Shippensburg, Pa.
Tuesday, Nov. 23&26, 1985

36 Loads Hay, 4 Straw & 3 Ear Corn.

Alfalfa 60.00-100.00; Mixed Hay 42.50-67.50; Timothy Hay 45.00-52.00, one load 65.00; Straw 60.00-65.00; Ear Corn 60.00-76.00.

Belleville Livestock

Belleville, Pa.
Wed., November 27, 1985

22 Loads Hay and 3 Straw.

Alfalfa 65.00-100.00; Mixed Hay 32.50-70.00, mostly 50.00-72.50; Timothy Hay 55.00-70.00, one load 35.00; Straw 62.50-80.00.

48% Soybean Meal, $198.80
Distillers Grains, $151.50
* Per Ton Delivered *
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Gap, PA 17527
717-442-4169(Collect)

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Rt. 30, 10 miles east of Lancaster in Paradise, Pa.
HAY, STRAW & GRAIN SALE
Every Thursday at 1 p.m.
For info. 717-442-4181 or 215-458-8518
L. Robert Frame, Sr., Manager

NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY

FAT HOGS

EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM

BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

12:00 NOON

DAIRY COWS

HEIFERS, BULLS

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12 Miles East of Lancaster
on Route 23, New Holland, Penna
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Mgr - Abe Diffenbach - 717-393-4464
Norman Kolb - 717-397-5538
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Alan Diffenbach 717-656-9806
Luke Eberly 215-267-6608 - 738-1865
WEDNESDAY
FEEDER PIG
SALE
1:30 P.M.

We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

THURSDAY

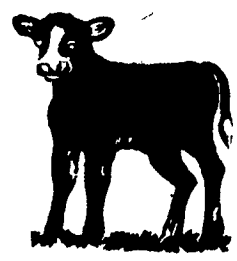
11:00 AM

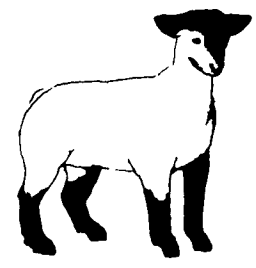
BULLS -

STEERS -
BEEF COWS

3:30 P.M.

CALVES





SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

Livestock market and auction news

Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 2

CATTLE. 473. SLAUGHTER STEERS: Choice & Prime 64.00 to 66.50, few to 67.10; Good & Choice 58.00 to 64.50; Good & Choice-Holstein 49.00 to 54.00; Standard & Good-Holstein 42.00 to 49.00.

SLAUGHTER HEIFERS: Choice 62.00 to 63.75, few to 65.25; Good & Choice 56.00 to 62.50; Standard & Good 48.00 to 56.00.

COWS: Utility & Commercial 35.00 to 38.50, few to 40.35; Cutter & Boning Utility 33.00 to 37.00, few to 38.50; Canner & Low Cutter 33.00 & down.

BULLS-ALL WEIGHTS: Yield Grade 1 46.00-50.00, few to 52.75; Yield Grade 2 41.00 to 46.00.

STOCKER CATTLE—ALL WEIGHTS: Steers--Medium & Good up to 62.00; Heifers--Medium & Good up to 52.00; Bulls--Medium & Good up to 54.00; Steers--Holstein 37.00-43.00.

CALVES 428. Good & Choice--125 to 250 pounds 75.00-90.00, few to 101.00; Medium & Good--125 to 250 pounds 60.00-80.00; Medium & Good--80 to 120 pounds 50.00-58.00; Light & Cull--all weights 55.00 & down; Holstein Bulls--return to farm up to 100.00; Holstein Heifers--return to farm up to 55.00.

LAMBS, SHEEP & GOATS 43. Choice Lambs None offered; Medium & Good Lambs 58.00-64.00; Light & Cull Lambs 50.00-60.00; Sheep, Ewes & Bucks up to 24.00; Goats--all sizes (by head) 12.00-47.00.

HOGS 112. No. 1-3 Butcher Hogs--190-225 pounds 47.00; No. 1-3 Butcher Hogs--225-250 pounds 47.50; No. 1-3 Butcher Hogs--250-300 pounds 45.75; Good Butcher Sows--400 pounds down 37.00 to 41.00; Good Butcher Sows--400 pounds up 38.00 to 41.00; Heavy Boars--over 300 pounds 31.00; Pigs--all sizes (by head) 10.00-34.00.

Sale every Monday evening at 5:00 p.m.

Hay & straw sale every Monday at 1:00 p.m.

New Wilmington Livestock

New Wilmington, Pa.
December 2, 1985
Report supplied by PDA

CATTLE 214: (PDA) Slaughter cows steady. Few Good slaughter steers 55.00-60.25, Few Standard 50.00-53.50. Choice slaughter heifers at 61.25, Good 52.25-56.75, Standard 42.00-50.00, Utility 35.00-41.50. Breaking Utility & Commercial slaughter cows 35.00-38.50, Couple to 39.25 and 39.50, Cutter & Boning Utility 32.00-36.25, Canner & Low Cutter 25.00-32.75, Shells down to 20.00. Few Yield Grade No. 1 1455-1675 lbs. slaughter bulls, 44.75-46.00, Few Yield Grade No. 2 1105-1430 lbs. 40.00-42.00.

FEEDER CATTLE: Steers Medium & Large Frame #1 440-665 lbs. 49.75-54.00; Heifers Medium frame #1 365-680 lbs. 40.00-47.00, Few Medium Frame and Large Frame #2 470-775 lbs. 31.50-38.50.

CALVES 233: Vealers steady to $5.00 higher. Few Choice 86.00-92.00, Few Good 68.00-71.00, Standard & Good 90-110 lbs. 43.00-51.00, 65-85 lbs. 30.00-46.00, Utility 50-75 lbs. 10.00-27.50.

FARM CALVES: Holstein bulls 90-135 lbs. 60.00-92.00, Holstein heifers 100-120 lbs. 49.00-55.00.

HOGS 274: Barrows & gilts $2.00-2.50 higher. US No. 1-2 220-245 lbs. barrows & gilts 46.35-47.35, one lot at 48.00, No. 2-3 220-250 lbs. 45.25-46.60, One Lot No. 2-4 220 lbs. at 44.85, One Lot 3-4 275 lbs. at 43.00. Sows about steady. US No. 1-3 300-500 lbs. 35.00-40.00, few No. 2-3 360-520 lbs. 31.00-34. Boars 30-34.25.

FEEDER PIGS 8: US No. 1-3 30-45 lbs. feeder pigs 17.00-30.00 per head.

SHEEP 75: Choice & Prime 75-100 lbs. 65.00-72.00, Good & Choice 60-85 lbs. feeder lambs 67.00-75.50. Few Slaughter ewes 12.00-18.00.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Dec. 3
Report supplied by Auction

Beef Cows: Utility and Commercial 38.10-40.85; Cutters 34.50-38.00; Canners 31.50-34.75; Shells 28.00.

Heifers: Standard 44.50-48.10; Commercial 38.75-42.00.

Steers: Good 52.50-56.35; Standard 42.00-48.60.

Bulls: Good 44.10-45.85; Standard 42.50-43.50.

Veal Calves: Choice 63.00-75.00; Good 53.00-62.00; Standard 43.00-51.00; Utility 38.00-42.00.

Farm Calves: Bulls 75.00-92.00.

Sows: 37.75-39.00.

Shoats: 25-30 lbs. per head 14.00-21.00; 30-35 lbs. per head 23.00-28.00; 35-50 lbs. per head 31.00-40.00.

Lambs: 58.00-68.00.

Goats per head: 10.00-32.00.

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Location: Ephrata RD 4. 1 mile N. on North State St., Ephrata.

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SALE EVERY FRIDAY

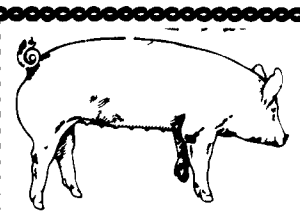
Lots of good Northern Feeder & Stockers. Slaughter Cows - Bull Steer, Veal-lamb.

11:00 A.M.-Beef Sale 200-300 each week.
1:00 P.M.-Dairy Sale.
7:00 P.M.-Small Animal Sale.

For Special Sales and Herd Dispersals on farm or at our barn or other market information call: Office 717-733-2444, Home 717-838-4318.

WALTER H. RISSER, Proprietor

All out of state and new buyers must have cash or certified check or current letter of credit from bank.



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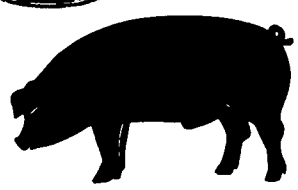

We will be receiving hogs at Vintage Sales Stables in Paradise, Pa.
Mondays, Wednesdays, Thursdays & Fridays from 7 a.m. to 12 noon
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Tuesdays 7 a.m. to 12 noon
Futures forward contracts are available.
No commission, paid promptly.
York County - **717-792-9836**

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Auctioneer
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THE OLD FARMER'S ALMANAC

DEC. 10-15, 1985

Take a book to a warm nook.

Begin sending Christmas cards now . Average length of days for the week, 9 hours, 7 minutes . New moon Dec 11 (Wed) Grandma Moses died Dec 13, 1961 George Grant patented the golf tee, Dec 12, 1899 Roald Amundsen reached the South Pole, Dec 14, 1911 Blizzard in the Southwest killed 51, Dec 12-20, 1967 Alabama became 22nd state, Dec 14, 1819 *Trust not one night's ice*

Ask the Old Farmer: Where did the expression "with one fell swoop" originate, and what does it really mean? H C , Carlisle, Mass

The word "fell" signifies calamitous or destructive The "swoop" is whatever energy visits the disaster on the subject, such as the attack of a bird of prey

Home Hints: Keep holly berries and mistletoe leaves which are poisonous away from pets and young children

OLD FARMER'S WEATHER FORECAST

New England: Beginning of week flurries, cold, midweek becoming mild, snow north, end of week snow, turning cold

Greater New York-New Jersey: Rain and snow through midweek, week ends cloudy and cold

Middle Atlantic Coastal: Week begins with rain, snow mountains, midweek clearing, end of week cold

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Farmers Livestock Auction

Duncansville, Pa.
December 2, 1985
Report Supplied by PDA

CATTLE 157. High Ch. & Pr. sl. steers NONE, Choice 62.50-64.25, High Good & Low Ch. 60.00-61.00, Good 55.00-61.00, Good & Choice holsteins 44.00-52.00, Standard 41.50-44.00, Utility 35.00-40.50. Choice sl. heifers NONE, Good 53.00-58.50, Standard 42.00-50.00, Utility 38.00-42.50. Breaking Ut. & Commercial sl. cows 38.00-42.75, Cutter & Boning Ut. 34.00-37.50, Canner & Low Cutter 31.00-36.50, Shells down to 26.50. Choice sl. bullocks NONE, Good 44.00-46.00, Standard 40.50-42.00, Utility 32.00-38.00. Yield Grade No. 1 1400-1600 lbs. sl. bulls, 45.00-46.25, Yield Grade No. 2 1200-1500 lbs. 41.50-43.75.

FEEDER CATTLE: Steers Good 48.50-56.50 Standard 35.00-43.00 Heifers Good 45.00-52.50 Standard 33.00-42.50, Bulls Good 48.00-52.50 Standard 35.00-42.00.

CALVES 210. High Ch. & Pr. NONE, Choice 70.00-78.50, Good 60.00-71.00, Standard 55.00-63.00, Standard & Good 90 lb. to 130 lb. 47.50-58.50, Utility 50-80 lbs. 35.00-48.50. Holstein bulls 90-130 lbs. 62.00-92.50, Holstein heifers 90-130 lbs. 47.50-60.50.

HOGS 25. US No. 1-2 210-240 lbs. barrows and gilts 47.00-47.75, No. 1-3 210-240 lbs. 46.00-46.75, No. 1-3 270-300 lbs. 42.50-44.00. US No. 1-3 300-600 lbs. sows 38.50-40.00, No. 2-3 300-600 lbs. 36.50-38.75. Boars 29.00-30.00, Light weights 32.50-34.00.

FEEDER PIGS 4. US No. 1-3 30 lbs. feeder pigs 24.50 per head.

SHEEP 2. Slaughter ewes 12.50-30.00. 1 GOAT 30.00 per head.

Keister's Livestock

Middleburg, Pa.
Tuesday, December 3
Report supplied by auction

CATTLE 241: Compared with last Tuesday's market; Choice 65.50-69.00, Good 60.00-65.75, Holstein 46.00-52.00, Choice holsteins 52.00-56.00, Standard 53.00-58.75, Holstein 42.00-46.00, Utility 48.00-53.00. Choice slaughter heifers 60.50-65.50, Good 55.00-59.75, Standard 45.00-55.00. Breaking Utility & Commercial slaughter cows 36.00-42.10, Few to 45.00, Cutter & Boning Utility 34.00-38.75, Canner & Low Cutter 30.00-34.00, Shells down to 26.00. Choice slaughter bullocks 56.00-60.00, Good 52.00-56.00. Yield Grade No. 1 1200-2070 lbs. slaughter bulls, 45.00-50.10, Yield Grade No. 2 800-1200 lbs. 42.00-45.00.

CALVES 155: Choice Vealers 65.00-85.00, Good 60.00-65.00, Standard & Good 90-110 lbs. 50.00-60.00, 60-90 lbs. 35.00-50.00.

FARM CALVES: Holstein bulls 90-125 lbs. 75.00-91.00.

HOGS 344: Barrows & gilts - US No. 1 220-240 lbs. barrows & gilts 47.50-50.50, No. 2-3 190-250 lbs. 44.50-47.50. Sows - US No. 1-3 300-650 lbs. 37.50-40.50 few 43.50. Boars 31.50-34.75.

FEEDER PIGS 110: US No. 1-3 20-35 lbs. feeder pigs 20.00-35.00 per head, No. 1-3 35-50 lbs. 35.00-40.00 per head.

SHEEP 21: Choice 90-110 lbs. wool slaughter lambs 60.00-68.00, Good 70-90 lbs. 55.00-60.00. Slaughter ewes 22.00-30.00.

Valley Livestock

Athens, Pa.
Monday, December 2
Report supplied by auction

Holstein Hfr. Calves to 50.00-52.00.
Veal Calves 65.00-80.00.
Vealer Bull Calves 60.00-85.00.
Slaughter Calves 50.00-55.00.
Grassers & Feeders 35.00-42.00
Lambs 65.00-70.00.
Sheep 22.00-30.00.
Hogs, 200 to 250 42.00-44.00.
Sows 30.00-32.50.
Boars heavy ones to 23.00.
Pigs, 15.00-23.00.
Heifers 34.00-37.25.
Steers, medium 39.00-47.00.
Steers, feeder 42.00-50.00.
Bulls 39.00-43.00.
Cows, utility 36.00-38.50.
Cows, fat 35.00-37.00.
Cows, medium 33.50-35.00.
Cows, poor or small 25.00-33.00.
Cattle Market real good.
Calf Market steady.
Horses Med. Size 210.00.
Ponies To 100.00.
Goats, 22.00-47.00.
Hay None.
Straw None.
Remarks: Market real good on all livestock.
Feeder Sale 1st Monday of Each Month.
Dairy Sale 3rd Thursday of Each Month.

Jersey Shore, Pa.

Thursday, November 28
Report Supplied by Auction

Return to Farm Calf 60.00-81.00.
Common Veal 35.00-62.00.
Choice Steers 67.00-70.25.
Good Steers 61.00-68.00.
Common Steers 48.00-60.00.
Commercial Cows 35.00-40.25.
Canners-Cutters 33.00-38.00.
Shells 22.00-32.00.
Choice Heifers 62.00-69.75.
Good Heifers 58.00-63.00.
Common Heifers 37.00-57.00.
Good Feeders 52.00-56.00.
Common Feeders 23.00-51.00.
Bulls 41.00-49.75.
Good Hogs 43.00-45.00.
Heavies 43.00-44.00.
Sows 35.00-37.00.
Eggs 41.00-61.00.

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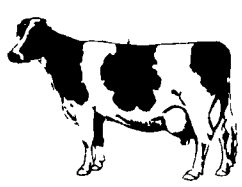

FRIDAY, DEC. 20
ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly Every 4 Weeks at 1:00 P.M.
Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, right. 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road, left. Watch for sale arrows.
50 to 60 Head
Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.
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Local Trucker Available
No Hogs Sold On Commission
CHRIST A. BEILER
R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer AU225L
NEXT SALE DATE JAN. 17

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Livestock market and auction news

VIRGINIA MARKETS

Virginia Auction Summary

Nov. 28-Dec. 4
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 6,225.

Trend: Steady to 3.00 lower.

South & Southwest Va.
Nov. 28-Dec. 4
Report supplied by VDA

STEERS: Medium 1 300-500 lbs. 59.00-69.00; 500-700 lbs. 52.00-64.00, 700-1000 lbs. 49.00-58.25. Large 1 300-500 lbs. 61.00-70.00, 500-700 lbs. 57.75-64.00, 700-1000 lbs. 54.00-57.00. Small 1 300-500 lbs. 52.00-63.00, 500-700 lbs. 50.00-58.50, 700-1000 lbs. 50.00.

HEIFERS: Medium 1 300-500 lbs. 45.00-57.00, 500-700 lbs. 43.00-53.00, 700-900 lbs. 43.00-57.50. Large 1 300-500 lbs. 47.00-58.00, 500-700 lbs. 43.00-53.00, 700-900 lbs. 40.00-50.50. Small 1 300-500 lbs. 42.00-51.00, 500-700 lbs. 37.00-48.50, 700-900 lbs. 42.00-43.00.

Northern Va. Auction Summary
Nov. 28-Dec. 4
Report supplied by VDA

STEERS: Medium 1 300-500 lbs. 59.00-69.00, 500-700 lbs. 53.00-65.75, 700-1000 lbs. 52.50-61.50. Large 1 300-500 lbs. 48.00-67.00, 500-700 lbs. 46.00-64.00, 700-1000 lbs. 53.00-57.25. Small 1 300-500 lbs. 52.00-62.50, 500-700 lbs. 51.00-56.00, 700-1000 lbs. 52.00-57.50.

HEIFERS: Medium 1 300-500 lbs. 45.00-54.50, 500-700 lbs. 44.00-51.50, 700-900 lbs. 42.00-53.25. Large 1 300-500 lbs. 47.00-50.00, 500-700 lbs. 45.00-50.00, 700-900 lbs. 45.00-50.00. Small 1 300-500 lbs. 43.75-52.75, 500-700 lbs. 42.00-47.00, 700-900 lbs. 41.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, November 30
Report supplied by auction

FEEDER CATTLE: Trend-Steady-1.00 lower. STEERS: M&L-1 300-500 lbs. 58.00-64.50, 500-700 lbs. 57.00-64.75, 700-1000 lbs. 52.00-61.75, Holstein 300-1000 lbs. 37.50-47.00. S-L&M&L-2 300-500 lbs. 53.50-57.50, 500-700 lbs. 51.00-60.00. FEEDER BULLS: M&L-1 300-500 lbs. 52.00-59.50, 500-700 lbs. 52.00-57.50, 700-1000 38.00-43.00. S-L&M&L-2 300-500 lbs. 44.00-49.00, 500-700 lbs. 42.00-43.00.

HEIFERS: Mostly Steady. M&L-1 300-500 lbs. 47.50-52.75, 500-700 lbs. 46.50-49.50, 700-800 lbs. 45.00-49.50. S-L&M&L-2 300-500 lbs. 48.50, 500-700 lbs. 41.50, 700-800 lbs. 41.00.

STOCK COWS: Beef 1½ 420-450 lbs., Baby Calves 35.00-99.00.

SLAUGHTER COWS: Trend 2.00 Higher. Utility & Commercial 2-4 32.50-39.00; Canner & Cutters 1-3 29.75-33.00.

SLAUGHTER BULLS 1 & 2: 37.00-47.25.

LAMBS: Trend- 50 cents Lower. Blue 0. High Choice & Prime 72.00.

HOGS: Sows 1-3 Few 40.75-41.50, Boars 25.00.

VEAL: Choice & Prime 69.50, Good 55.50-59.00.

SLAUGHTER CALVES: Good & Choice 47.00-55.50.

Four States Livestock

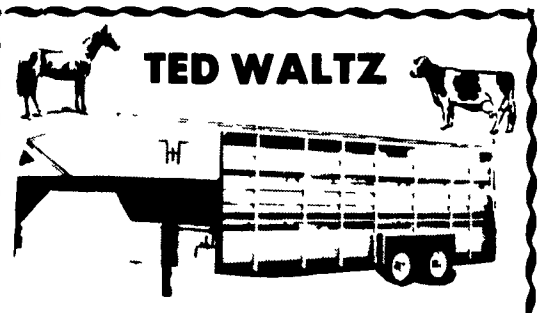
Hagerstown, Md.
Wednesday, November 27
Report supplied by Auction

SLAUGHTER: Fed Steers-Steady. Low Choice 57.00-59.00; Good 51.00-56.00; Medium 50.00-down. Heifers- Good 41.00-44.00; Medium 40.00-down. Cows-$1.50 Higher. High Yield 37.50-40.25; Average 33.00-36.00; Big Middle 29.00-32.00; Fatty Herf. 28.00-31.00; Shelly 30.00-down. Fat Bulls- $1.00 Higher. Good 44.00-45.75; Medium 41.00-43.00. Veal Calves- Heavy Calves 3.00 Higher; Light Calves 3.00 Lower; Choice 75.00-80.00; Good 65.00-74.00; Medium 55.00-64.00; Farm Bulls 90.00-100.00; Light Calves 45.00-53.00; Weak Calves 44.00-Down. Lambs- Few Offered. Medium 60.00. Sows- 400-700 lb. 36.00-40.25; 300-350 lb. 34.00-36.00.

STOCKER: Steers-300-550 lbs. $2.00 Under Last Week. Good 52.00-56.00; Medium 46.00-51.00; Culls 45.00-Down. Steers-600-850 lbs. Choice 54.00-56.00; Good 48.00-53.00; Medium 47.00-Down. Heifers- (All Weights). Good 43.00-47.00; Medium 37.00-42.00. Bulls- Choice 54.00-58.50; Good 48.00-53.00; Medium 42.00-47.00. Springing Heifers To $800.00. Pigs, Hd. $2.00 Lower. 20-35 lbs. 12.00-21.00; 40-60 lbs. 22.00-33.00. Shoats By lb. 38.00-43.00. Slaughter Hogs $1.00 Higher. 220-250 lbs. 44.00-44.85; 200-215 lb. 43.00-43.75; 350-450 lb. 34.00-39.75.

There Is A Strong Demand For Open Butcher Cows Monday, Dec. 2, At Frederick Livestock Auction. Hatfield Bought 438 Hogs. The Top Price Was $45.75.

TED WALTZ



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- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

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Phone: 717-275-2880

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PREPARATION· Lots will consist of 11 Tennessee Style Bales and 15 Pa Style Bales (50-70 lbs.) It is very important and will eliminate many problems if you keep your lots very consistant One bale will be exposed on each lot for buyer inspection That bale MUST represent all the bales on that lot! Keep pole burned tobacco in a separate lot Keep the green out of your tobacco DO NOT strip your tobacco too damp When storing tobacco on the farm, stack your bales so that all sides of the bale are exposed to the air

LET'S STICK TOGETHER. LET'S DO A GOOD JOB OF PREPARING OUR PRODUCT FOR MARKET AND WE CAN EXPECT TO BE PAID HIGHER PRICES.

We have scheduled an open house for you to inspect the facilities There will be stripping demonstrations on each hour There will be mock auction demonstrations on each half hour Questions will be answered all day

OPEN HOUSE WILL BE ON MONDAY, DECEMBER 9, 1985 FROM 1:00 P.M. TO 9:00 P.M.

ERIC PROBST GENERAL MANAGER 717-768-7100

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Obtain Farmer's Tax Guide

We don't like to talk about taxes but it's a way of life. The Farmer's Tax Guide, for use in preparing your 1985 returns, are now available at the Extension Office. The Guide is extremely valuable when preparing your return.

I realize that many farmers rely on an accountant or tax practitioner to file their return, so be sure to pick up a copy and give it to them. There are a number of changes in the tax regulations. It would be well to study them, so your records are accurate when you review your accounts with your practitioner.

A few important tax dates for farmers. You may elect to pay your 1985 estimated income tax with Form 1040-ES by Jan. 15, 1986. You can then file your 1985 federal income tax return, Form 1040, by April 15. If you do not pay with Form 1049-ES at this time, your 1985 return will be due March 3, 1986.

To Be Patient With People

Farming in the best of times is a very stressful occupation. Then add to that the low returns over the last several years due to high expenses and lower returns for our milk, eggs and meat.

I point this out so that people working with our farmers understand the needs and cares of others. We all need to be patient and understanding and look at the many good things we have to be thankful for... our families, freedom and the ability to come back after being down. Take time to talk with your friends and neighbors and share the many good times you've had together. Let's enjoy the holiday season and be thankful for all the good things in life.

To Arrange To Attend No-Till Conference

The 12th Annual Mid-Atlantic No-Till Conference will be held on Dec. 18, at the Maryland State Fairgrounds, Timonium, Md. "No-Tillage: A Best Management Practice," is the program theme this year. Speakers in the morning, starting at 9, will emphasize managing farm manures, evaluating ground water quality, controlling hard-to-control weeds in corn and soybeans, using insecticides and marketing grain. Visiting the many commercial exhibits and questioning the speakers will be in the afternoon.

Lunch tickets, available only in advance, can be purchased from your County Extension Office, reminds, Arnold G. Lueck, County Agenty in Agronomy, Lancaster.

To Be Aware of Fertilizer Value of Manure

The 1985-86 Agronomy Guide lists, on page 15, the real fertilizer value in our livestock and poultry manure. As fertilizer costs increase, we need to make every effort to use and preserve these manure fertilizer elements. On the basis of the fertilizer content at current fertilizer prices, cattle manure has $3.80 worth of fertilizer elements per ton, swine manure contains about $5 worth and poultry manure contains about $13 worth of fertilizer elements. This will vary depending on the moisture and bedding content.

In addition, all types of manure add organic matter to the soil. For best results manure should be either incorporated into the topsoil or stored in a water-tight pit until it can be spread and mixed with the soil.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

A MANGER FAITH

December 8, 1985

Background Scripture:
Isaiah 11:1-9; Micah 5:2; Matthew 1:18-25; Luke 2:1-7
Devotional Reading:
Isaiah 11:1-9

If it is true, as we indicated last week, that God specializes in things we think impossible, it is also true that he also specializes in doing what he does in ways that absolutely mystify us.

That he should act to fulfill his longstanding promises to Israel, that we can understand. But that he should do it in such a strange manner still puzzles us and the world.

If you were writing the script, how would you write it? Wouldn't you choose some powerful, noble figure to be the one annointed to represent God in his world? Wouldn't this person be a wielder of power, a souce of wisdom and a person of charisma? And, if you had to choose a locale, wouldn't you choose one of the world's greatest cities, or a towering mountaintop?

NO VACANCY!

So look how God does it; no might, no power, no prestige, no noble lineage, and no mountaintop. Instead God chooses to express himself in the birth of a baby–a baby born to an unwed peasant girl betrothed to a simple tradesman. And, instead of a reception fit for a Son of God, the incarnation is an obscure event of which the world is virtually unmindful. Not only is Jesus the Messiah not born in a great palace, but his mother and father cannot even manage a place in the inn. The Saviour of the world is laid "in a manger, because there was no place for them in the inn" (Luke 2:7). And it wasn't even a Jerusalem manger but a Bethlehem one.

God does things like this, not because he wants to surprise us and mystify us, but because he needs to remind us as often and as loudly as he can that his ways are not our ways. What we think is important may not be important at all, as he sees things in this world. What we regard as power, he may regard as weakness.

OF THE HOLY SPIRIT

That's one of the reasons that God's promises may seem so "impossible." We judge them on the basis of our very limited human perspective. But what he's trying to help us understand is that there is usually more than any human being can see and understand.

Yes, Mary and Joseph were unimportant nobodies in the eyes of the world, and yes, the birth of Jesus in a stable manger would not have made the 6 o'clock news. But God's Holy Spirit can take even the most humble circumstances and means to fulfill his promises and our hopes.

And that is the faith that turns a manger into a throne.

House ag leader terms situation critical

COLLEGE PARK, MD – With a national political figure on the program, the twentieth annual Maryland Agricultural Leaders Forum at College Park attracted some 225 persons–a larger-than-usual attendence.

The featured speaker, U.S. Congressman E. (Kika) de la Garza (D-Tex), chairman of the House Agriculture Committee, was well received. And his participation in a panel discussion brought out some differences of opinion on "Influencing the Future of Agriculture Through the Political Process."

Congressman de la Garza started off the panel discussion by pointing out that the U.S. agricultural situation is very critical because farm incomes and land values have both declined significantly.

"We hope for no further erosion beyond this point," he declared, inferring that stopgap legislation is his immediate concern.

In response to a question from the audience, de la Garza said that he doesn't anticipate another blanket Payment-in-Kind (PIK) program by the U.S. Department of Agriculture. But there may be a modified PIK program. He noted that for every farmer who goes out of business, there is a ripple effect on Wall Street and the whole U.S. economy.

During his speech which preceded the panel discussion, de la Garza defended previous Congressional farm legislation and lambasted the concept of a free market for farm products.

"We haven't had a free market for agriculture since the turn of the century," he declared. "If we took the U.S. government out of agriculture now, we'd be the only nation in the world to do so. We need managed demand and supply.

"The government must continue to provide an economic safety net for farmers. We need to set target prices and let the loan rate fluctuate.

"Our farm program systems of the past were really not antiquated. Our basic assumptions just didn't work. We could not fore see the economic strength of the dollar, increases in energy prices, and worldwide recession."

Looking ahead to the future, the Congressman commented that "maybe we need to relent on the monetary system and the way that banks lend money (to farmers)."

Challenging some of Congressman de la Garza's philosophy were two former senior staff economists for the President's Council of Economic Advisers.

Robert L. Thompson, now assistant secretary for economics at the U.S. Department of Agriculture, delcared that "we can't maintain a major export role for farm products if loan rates make it more profitable to sell to the U.S. government."

Dr. Thompson noted that farm program costs have been the fastest growing segment of the entire national budget, percentage, outstripping even defense spending.

Bruce L. Gardner, now professor of agricultural and resource economics at the University of Maryland, echoed much of Thompson's philosophy.

Dr. Gardner declared that "continued high target prices for farm producers will only prolong the problem of overproduction now facing this nation. What we need is targeted assistance to help some farmers ease out of agriculture.

"Keeping farm prices at current levels will not save many farmers," he emphasized. "Middle-size farmers seem to be done for."

Other members of the Maryland Ag Forum panel were James C. Barr, chief executive officer of the National Milk Producers Federation, headquartered at Arlington, Va., and Carol Tucker Foreman, president of Foreman and Company, a Washington, D.C.-based public policy and consulting firm.

Barr agreed somewhat with Dr. Gardner, cautioning that "We need to help some farmers get out of farming without going bankrupt".

"Farmers deserve to be above the poverty line," he noted. "But we need to send a clear signal to dairy farmers to cut production."

Mrs. Foreman commented that "small towns everywhere are wounded when farmers go out of business. If we're going to save farmers, we need a tax increase."

As a former assistant secretary for food and consumer services at the U.S. Department of Agriculture, she remarked: "I can't understand why America's farmers don't lead the parade for increased government food assistance to low-income people."

During a noon luncheon at the ag forum, John S. Toll, president of the University of Maryland, presented the university's Certificate of Merit Award in Agriculture to four veteran leaders on the Maryland agricultural scene.

The annual award has now been bestowed on 254 men and women during its 70-year existence.

This year's recipients included two from the western side of the Chesapeake Bay. They are Chesapeake Bay. They are William I. Guy of Salisbury (Wicomico County); Wallace D. Miller of Chestertown (Kent County); Carville M. Akehurst of Perry Hall (Baltimore County), and Albin O. Kuhn of Woodbine (Carroll County).

Akehurst's father, Carville G. Akehurst, also of Perry Hall, received the same honor in 1970. Guy, too, was a second-generation recipient.

Farm Calendar

Saturday, December 7
York 4-H Swine/Sheep banquet, 4-H Center, 7 p.m.

Wednesday, December 11
Western Pa. Vegetable Growers Seminar, 9 a.m. to 4 p.m., Quality Inn, Butler. Contact Butler Extension for more information.
Maryland/Delaware Forage Meeting, Hartly Fire hall, Hartly, Del., 10 a.m. to 2:30 p.m.

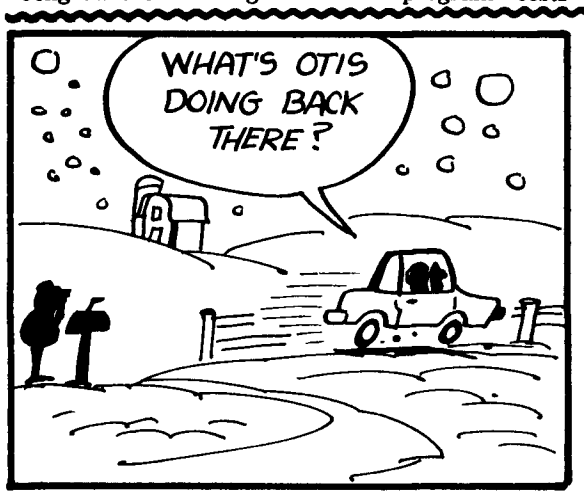
Thursday, December 12
York commercial dairy day, 4-H Center, 9 a.m.

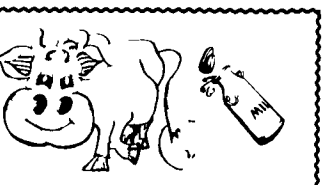
Friday, December 13
Central Maryland Forage Conference, Urbana Fire Hall; contact the Extension Service for more information.

Tuesday, December 17
Swine Marketing Meeting, Berks Ag Center, 9:30 a.m., Leesport.

Wednesday, December 18
Mid-Atlantic No-Till Conference, Timonium, Md., 9 a.m. to 3 p.m.
Swine Marketing Meeting, Lancaster Farm and Home Center, 9:30 a.m.

Thursday, December 19
York County Crops Day, 4-H Center, 10 a.m. to 3 p.m.





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Hoover, Brandt top Lebanon DHIA

LEBANON — Hoover Farms captured the "High Herd — Fat" award, while David Brandt was honored for the "High Herd — Milk" at the Lebanon DHIA Annual Awards Banquet.

Hoover Farms, operated by Dale and Dean Hoover, attained a 736-pound average butterfat with a herd of 130 registered Holsteins. also averaging 20,327 pounds of milk and 632 pounds of protein.

David Brandt captured the milk production award by averaging 20,664 pounds of milk with 74 cows. The herd also averaged 721 pounds of buterfat and 647 pounds of protein.

Walter Martin of Myerstown captured the High Individual Cow — Milk trophy, with 29,518 pounds, while Dale Hostetter and Sons of Annville won the High Individual Cow — Fat award with 1,267 pounds.

White Birch Farm won the award for the herd with the lowest somatic cell count, at 102,000.

James Z. Brubaker, Richland and Dale and Darlene Bucher of Myerstown won the awards for top increases for the herd. Burbaker's herd increased 3,821 pounds in milk, 99 pounds in protein and 72 pounds in fat, while the Bucher herd jumped 118 pounds in fat, 2,826 pounds in milk and 88 pounds in protein.

Glen R. Martin, Lebanon, won the award for the highest herd average in protein, with 648 pounds, while "Dancer" earned the High Individual Cow — Protein award for the Jay and Carol Hershey farm.

Winner of the High Herd-Milk trophy, was David Brandt, right, shown here with his wife Jeannette and sons Carl, left rear, and Daniel, second from right.

High Herd-Fat honors went to Dale, left, and Reid Hoover of Hoover Farms, Lebanon RD 4.

Pa. youth recognized by National Grange

WASHINGTON, D.C. — Several Pennsylvania youth were recognized during the recent National Grange Convention in Eugene, Ore.

Janet Rudy of Sewickly was selected a Youth Ambassador.

In the National Public Speaking contest Meecee Baker of Lincoln University was named a first place winner. Melinda Berger, Kutztown, was selected Reporter of the Year, while Dana Fogle and Heidi Miller, both of Chest Springs, were recognized for ceramic crafts.

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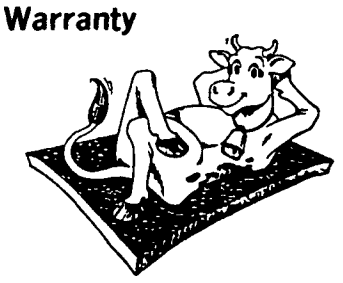

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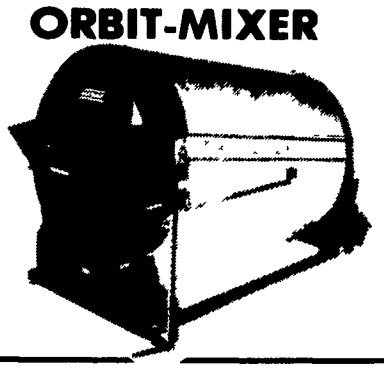

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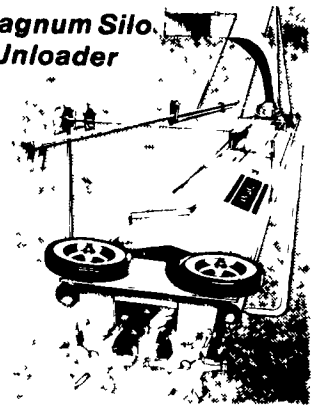

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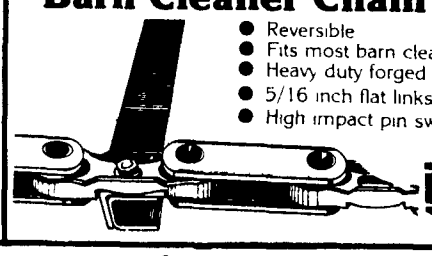

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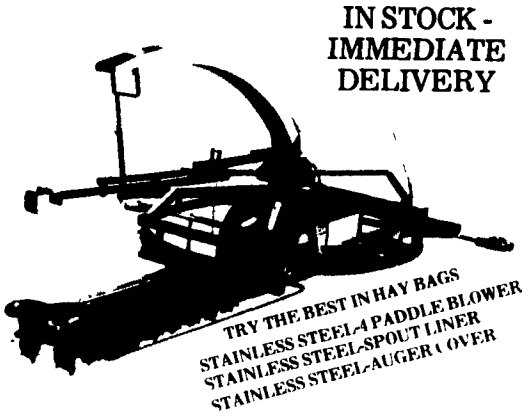

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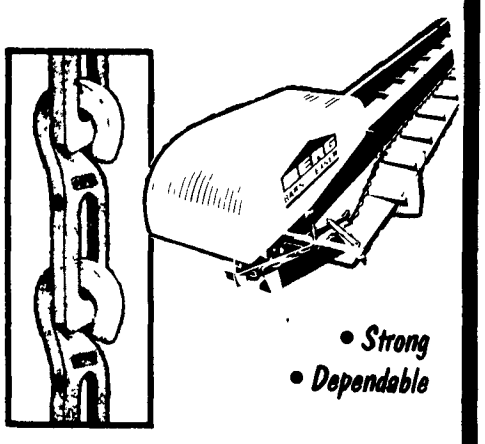

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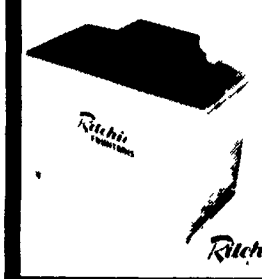

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Livestock market and auction news

Lebanon Valley Livestock

Lebanon, Pa.
Tuesday, December 3
Report Supplied by PDA

CATTLE 233: Compared with last Tuesday's market, Few Choice 1200-1345 lbs. slaughter steers 62.00-66.25, Few Good 49.75-58.00, Choice holsteins 52.00-55.50, Good 47.75-52.75, Few Standard 43.50-47.00. Few Good slaughter heifers 53.00-60.00. Breaking Utility & Commercial slaughter cows 35.75-38.75, Couple to 41.75, Cutter & Boning Utility 34.25-37.75, Canner & Low Cutter 29.75-34.50, Shells down to 27.50. Few Good slaughter bullocks 49.25-53.25. Yield Grade No. 1 1100-1895 lbs. slaughter bulls, 45.35-51.35, Couple down to 43.00.

FEEDER CATTLE: Steers Few Medium #1 730-775 lbs. 48.00-53.50; Heifers Few Medium #1 680-830 lbs. 37.00-39.50.

CALVES 220: Prime Individual Vealer 90.00, Choice 79.00-88.00, Good 60.00-72.00, Few Standard & Good 110-120 lbs. 52.00-54.00, 70-105 lbs. 42.00-50.00, Utility 55-80 lbs. 35.00-40.00. FARM CALVES: Holstein bulls 90-130 lbs. 65.00-88.00, Few down to 50.00.

HOGS 185: US No. 1-2 200-235 lbs. barrows & gilts 47.10-48.25, one lot at 48.50, No. 2-3 225-255 lbs. 46.50-48.00, Few Lots No. 2-4 265-295 lbs. 43.50-46.60, One Lot No. 1-3 172 lbs. at 42.75. Sows - US No. 1-3 300-580 lbs. 35.50-39.00, Few Mediums 250-300 lbs. 27.50-33.75. Few Boars 28.00-32.00.

FEEDER PIGS 14: One Lot No. 1-3 40 lbs. at 78.00 per hundredweight.

SHEEP 8: Few Choice 50-55 lbs. 70.00-84.00 (NCL), Few Good 55-80 lbs. NCL 65.00-70.00.

NCL: New Crop Lambs

Oklahoma City

Wednesday, Dec. 4
Report supplied by USDA

Estimated Receipts:	**3,000**
Actual Auction Sales	**1,555**

Feeder steers and heifer calves under 500 lbs. steady to 1.00 lower, over 500 lb. about steady. Trade slow. Demand very uneven due to light receipts making load-out prospects the major concern. Cows comprised 25% of actual auction sales with bulk of these going to packers. Few Slaughter bulls steady to 1.00 higher. Cow report unchanged from flash.

Feeder steers: medium and large frame 1 400-475# 68.75-71.30; few pks. 525-575 lb. 63.25-65.10; 625-750 lb. 61.60-64.40; few lots 815-860 lb. 58.00-61.00. Medium & large frame mixed 1-2 400-600 lb. 61.40-66.75; couple lots 625-675 lb. 58.90-62.00. Large frame 2 Holsteins package 745 lb. 45.60; package 815 lb. 43.10.

Feeder Heifers: Medium & Large frame 1 lot 375 lb. 64.00; 400-500 lb. 56.75-62.60; 500-550 lb. 55.90-60.50; Lot 650 lb. 56.25. Medium & large frame mixed 1-2 500-675 lb. 53.70-55.70.

Slaughter Bulls: YG 1 1600 lb. few 46.50-47.00.

For the Week: Feeder steers & heifer calves under 500 lb. steady to 3.00 lower, heavier weights steady to 1.50 higher. Slaughter cows & bulls steady to 1.00 higher.

Joliet Cattle

Thursday, Dec. 5
Report Supplied by USDA

CATTLE: Friday through Wednesday's salable receipts 2,000; last week 1,194; same period a year ago 1,160. Trading moderately active for the week. Slaughter Steers and Heifers ended the week 1.00 higher compared with last Wednesday.

SALUGHTER STEERS: Choice few loads carrying a prime end 2-4 1100-1350 # 66.00-68.00, 3 loads 68.25. Mixed Good and Choice 2-3 1050-1250 # 64.00-65.50.

SLAUGHTER HEIFERS: Choice 2-4 950-1150# 64.00-66.00. Mixed Good and Choice 2-3 850-1050# 61.50-64.00.

Omaha Weekly

Thursday, Dec. 5
Report Supplied by USDA

Slaughter steers and heifers closed the week mostly .50 higher than last week's levels after early week sharp advances on small Monday run were almost erased on closing rounds. Late week sluggish movement of dressed beef was a dominating factor for the decline. Slaughter cows firm. Slaughter bulls steady.

Estimated 5 day receipts this week 6600 compared to actuals for the holiday shortened week last week of 5632 and last year of 10838. Slaughter steers comprised 45 pct of the receipts this week, slaughter heifers 38 pct, slaughter cows 9 pct., feeder cattle 6 pct.

SLAUGHTER STEERS: At the close, choice 2-4 1050-1300 lbs. 65.50-66.50, two loads at 66.75. Mixed Good and Choice 2-3 1050-1250 lbs. 64.00-65.50. Good 62.00-64.00.

SLAUGHTER HEIFERS: At the close, Choice 2-4 950-1150 lbs. 63.50-65.00, load 65.25, small package 65.75. Mixed Good and Choice 2-3 950-1050 lbs. 62.00-64.00. Good 59.50-62.00.

Average of LS-214 detailed price quotations for choice 900-1100 lb. steers this week 64.80, 1100-1300 lbs. 65.98. Average cost all slaughter steers this week 64.91, average weight 1201 lbs. compared to 64.59 and 1195 lbs. last week. Average cost of slaughter heifers this week 64.10, average weight 1069 lbs. compared to 63.33 and 1070 lbs. last week.

SLAUGHTER COWS: Few breaking Utility and Commercial 2-4 32.50-36.00. Cutter and boning Utility 1-3 33.00-36.25. Mostly low cutter, few canner 31.00-33.50.

SLAUGHTER BULLS: Few 1-2 1150-2100 lbs. 43.00-45.50, individual 47.25, some low dressing 38.00-42.00.

New Holland Dairy

New Holland Sales Stables
Wednesday, Dec. 4
Report supplied by auction

Reported receipts of 113 cows, 65 heifers, and 3 bulls.

Market lower.

Load of NY fresh cows, 650.00-1200.00.

Load of Canada fresh cows, 660.00-1200.00 springers 610.00-950.00.

Load of PA fresh cows, 635.00-1200.00.

Load of Wisc. fresh cows, 650.00-1175.00.

Load of NY fresh cows, 675.00-975.00 springers 750.00-1000.00.

Locally consigned cows, 425.00-1150.00.

Springing heifers 485.00-825.00.

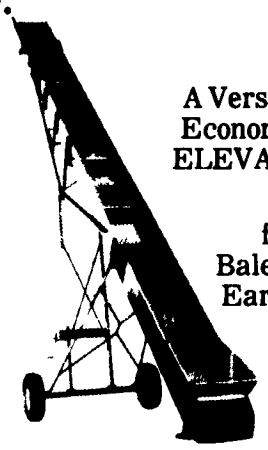
Bulls 200.00-500.00.

READ LANCASTER FARMING FOR COMPLETE AND UP-TO-DATE MARKET REPORTS

ZIMMERMAN MANUFACTURING CORP.

HOLLANDER RD, RD3
NEW HOLLAND, PA
17557
717-354-9611

CALL FOR PRICES AND YOUR LOCAL DEALER



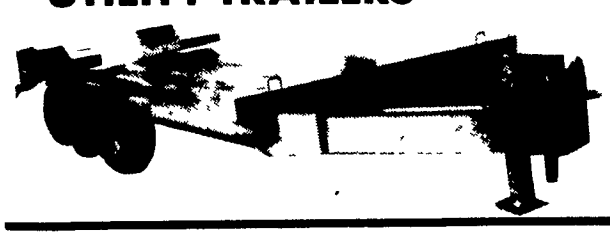
A Versatile, Economical ELEVATOR for Bales And Ear Corn

AIR-O-MATIC VENTILATION SYSTEMS

Wall Fan With Hood And Cabinet

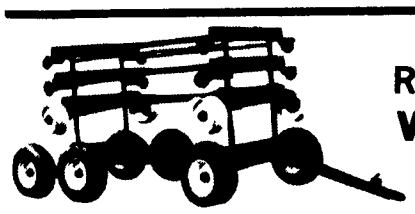
48" High-Volume Portable Cooling Fan

UTILITY TRAILERS



Gross Cap. 3,000 to 24,000 lbs.

Variety of Sizes Made to Order



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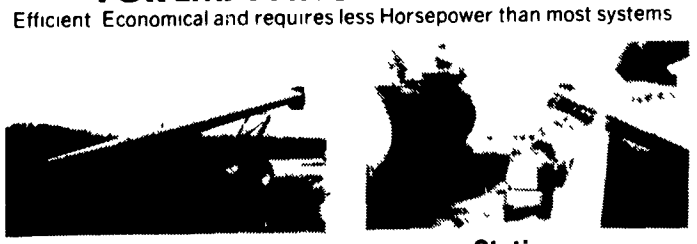
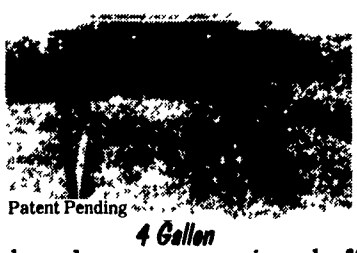
ZIMMERMAN AUGER SYSTEMS
FOR EMPTYING MANURE PITS
Efficient Economical and requires less Horsepower than most systems



Portable Stationary

Lapp
ENERGY FREE DRINKERS
No Gas/No Electric



Patent Pending

4 Gallon

Drinkers have a new unique baffled drinking design manufactured from a durable poly product. A 2-hole 40 gallon and a 1-hole 4 gallon for all kinds of livestock, including horses, sheep, pigs, etc.

Manufactured By

SOUDERSBURG MFG.
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SHOW-EASE STALL CO.	**LAPPS SHARPENING SERVICE**
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Dealer Inquiries Invited

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Crew Available With Carts

Livestock market and auction news

Central U.S. Carlot

Beef Report
Wednesday, Dec. 4
Report supplied by USDA

Central U.S. Carlot Beef Report Includes The Major Production Areas In The Midwest, Texas, And Oklahoma. As Of 4:00 P.M.

Compared to Tuesday's 4:00 P.M. report, steer and heifer carcasses stay in a limited test. Demand very light. Movement light early, however, afternoon trading at a near standstill with packers holding at steady levels while buyers taking a bearish wait-and-see attitude. Choice 3 supplies more than ample while goods and yield grade 4 supplies light.

The gross boxed beef carcass cutout value declined $.58 to an estimated $104.71 per cwt, 174 loads boxed cuts reported.

Sales reported on 31 loads of steer and heifer carcasses.

Steer Beef
16 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 103.00, steady.

Good 2 & Low 3 600-700 lbs. 98.00.

Choice 2-3 600-900 lbs. 91.50 (Hols Type).

Good 2-3 600-900 lbs. 86.50 (Hols Type).

FOB Amarillo Basis

Choice 4 600-900 lbs. 90.00.

Heifer Beef
15 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 101.00 steady.

Good 2 & Low 3 600-700 lbs. 96.00.

FOB Amarillo Basis

Choice 4 500-700 lbs. 90.00.

Steer & Heifer
Primal Cuts
2 Loads

Hinds 120-170 lbs. 110.00-111.00.

Cow Beef
23 Load

Midwest: Prices $2.00-4.00 higher, mostly $2.00 higher late.

Eastern Texas and Oklahoma: Prices steady to $1.00 higher than Tuesday.

Sales in the Midwest Production Area:

FOB Omaha Basis

Bng Utility 1-3 400/up lbs. 65.00-66.00 load 62.50 late.

Cutter 1-2 350/up lbs. 68.00-70.00 late 68.00-69.00.

Sales in Eastern Texas and Oklahoma Production Areas:

Bng Utlty 1-3 400&up lbs. FOB Plant 68.00-69.00, Delivered Plant 69.00-70.50.

Cutter 1-2 350&up lbs. FOB Plant 72.50-73.50, Delivered Plant 73.50-74.50.

Boneless Processing Beef/ Beef Trimmings
82 Loads
FOB Omaha Basis

90% Chem Lean Fresh 98.00-99.00.

90% Chem Lean Frozen 100.00.

50% Chem Lean Fresh 46.00-46.50, Bulk 46.00.

Eastern Texas and Oklahoma Production Areas

90% Chem Lean Fresh FOB Plant 101.00-102.00.

90% Chem Lean Frozen FOB Plant 102.00.

85% Chem Lean Fresh FOB Plant 95.00.

50% Chem Lean Fresh FOB Plant 46.00-47.00.

East Coast Carlot

December 4, 1985
Report supplied by USDA

East Coast Carlot meat trade delivered prices (caf) Boston to Washington area include.

Compared to Tuesday's close: Trading fairly active for veal. Special fed veal 1.00 to 5.00 higher. Good and choice boning veal 2.00 higher; inshipped untested. Carcass lamb unestablished with a steady to weak undertone. Compared to last week beef 1.00 to 2.00 higher, beef trimmings steady.

Veal Carcass
Choice & Prime
(Special Fed)
Hide On 200 Head

220-280 lbs. 175.00-176.00 few 178.00, 1.00-5.00 higher.

Good and Choice
Boning Type
Hide On

NORTHEASTERN SUPPLIERS: 1000 head; 65-75 lbs. 78.00-80.00, 2.00 higher; 55-64 lbs. 76.00-78.00; 45-54 lbs. 74.00-76.00; 35-44 lbs. 72.00-74.00; 34 lbs. down 70.00-72.00.

Inshipped Untested.

Boneless Beef
2 Loads (U.S. and Canadian origin) compared to last week

90% Chem Lean, fresh 104.00, 1.00-2.00 higher.

Beef Trimmings
1 Load

50% Chem Lean, fresh 50.00, steady.

NOTICE

H.D. Pegram Tobacco Company

We are paying top dollar for 609 Type tobacco. Call us for an appointment or any questions you may have.

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Sales: Henry Eby 215-445-4342
Aaron Hoover 717-354-8232

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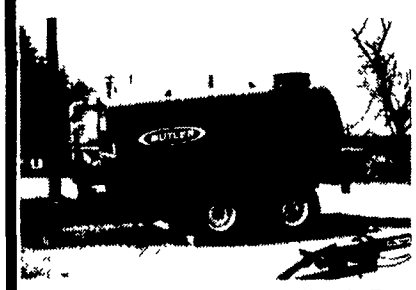
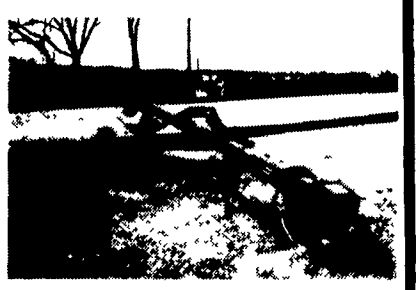
NEW EQUIPMENT SPECIALS
MANURE HANDLING EQUIPMENT



BUTLER 3300 gal. Tank-R Super Mix, rear discharge, level indicator
$11,850



BUTLER 24' Prop. Agitator (demo unit) 3 blade prop.
$3,900

Super Silo Unloader & Renew Kit Specials

1 Only - 16' Lineshaft Drive, Volumaster Unloader..... $3,900

26' Lineshaft Drive, Volumaster Unloader..... $4,290

1 Only - 24' VIII Volumatic-Unloader $5,900

Renew Kits From Butler/Jamesway VII and VIII Unloaders..... From $2,500

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EVERGREEN TRACTOR CO., INC.

TRACTORS:

JD 4020 WF, dual outlets, new short block	$8,350
JD 3020 power shift diesel	$8,250
JD 2840, roll guard, sharp	$10,750
JD Model B Hi-Crops	$1,250 Each
JD 1530D Tractor	$8,750
JD 4230 Quad, Sound Guard	$17,500
(1) White 2-105 w/Roll Guard	Make Offer
IH 240 w/Fast Hitch and 2B Plow	$2,150
White 2-60 4WD w/Loader	Make Offer
MF 30B Industrial	$10,950
Oliver 1255 4WD Tractor w/Loader	$6,950
JD 4640 Tractor, P S 840 Hrs	$32,500
JD 730 Dsl Tractor, Roll-A-Matic, 3 pt, new engine	$3,850

TILLAGE:

JD 225 10' Offset Disc	$2,850
Dunham 14' Packer	$775
JD 2500 5x18" Spring Reset Plow	$2,850
JD 13x16" Plow, 3 Pt	$675
Oliver #565 4-15 Semi-Mounted Plow	$1,450
JD BWF 18' Wing Disc	$2,650
Brady 30' Field Cultivator	$5,450
JD F145 6x16 Plow	$1,850
JD F350 5x16 Plow	$2,450
Brady 12½' Field Cultivator	$1,750
IH 320, 10' Disc, 2 yrs old	$1,250

GRAIN DRYERS:

New Farm Fans AB8 Auto-Batch Dryer. MUST MOVE CALL FOR PRICE (Dealer Inquiries Welcome)

HAY MACHINES:

JD 1209 Mower Conditioner w/Stub Guards	$3,850
JD 480 Mower Conditions	$1,850
JD 410 Round Baler, Sharp	$4,350
NH 469 Mower Conditioner	$2,650
JD 14T Baler	$750
NH 479 Haybine	$3,850
Hesston Hydro-Swing Mower Conditioner	$2,750

PLANTERS & GRAIN DRILLS:

JD 20x6 Model B Plain Grain with Grass D.D.	$2,350
JD 8300 Bean Drill	$4,500
JD 7000 6 Row Planter	$6,350
JD 8 Row 7000 30" Planter	
JD 490 4 row Planter	$375
IH Model 620 12' Press Wheel Drill, like new	$4,850

HARVESTERS & FORAGE EQUIPMENT:

Fox Model 2000 Harvester w/2 Row Narrow & PU	$2,600
NH Super 717 Harvester	$2,450
NH P.U. Attachment	$575
(2) JD 5½' Pickup Attachment	
JD 5400 4 WD Harvester 3 Row 30" Row Crop & 7' Pickup	
NI 2 R Narrow Model 325 Pull Type Picker w/Grinder, like new.	$4,500
(1) John Deere 34 w/One Row Row Crop	~~$1,550~~ $950
(1) John Deere Three Row Row Crop Attachment, New Belts	$3,850

MISCELLANEOUS:

18 4x38 Direct Axle Dual Wheels	
14 9x38 Direct Axle Dual Wheels	
20 8x34 Direct Axle Dual Wheels	
Papec #880 Grinder Mixer w/Molasses Attach - Sharp	$3,950
IH 850 Grinder Mixer	$1,450
JD 6 Row 30" Rear Cultivator	$1,250
14 9x26 T-rail duals	
20 8x34 direct axle, less rubber	
NH 679 tandem axle spreader, hyd endgate	$3,850
NI Tandem Axle Spreader	$3,850
Better Bilt 1500 Gallon Tank Spreader	$3,450
NH #90 Bale Mover	
JD 534 Front Dozer Blade	$2,450
JD 146 Loader SOLD	$2,650

COMBINES & PICKERS:

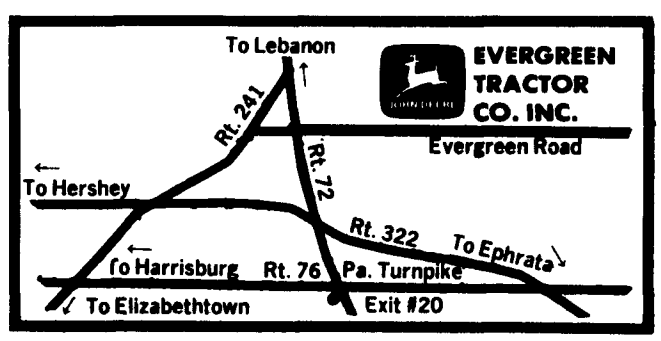
NI 2RW, pull picker, nice, model 311	$2,350
6600 Combine, new gas engine	$6,950
JD 443 4 row 30" corn head	
NI 709 Uni System, hydro w/power rear asist 818 combine 4R narrow head & 13' flex head Sharp	Price on Request
JD 6620 Side Hill Turbo Hydro w/15' Flex Head	Price On Request
JD 6600 Side Hill Hydro w/15' Flex SOLD Cornhead	
JD 3300 Dsl. w/Cab, 343 C H & Rotary Screen	Price on Request
#643 6 Row 30" Corn Head	
#244 2 Row Corn Head	

NEW JOHN DEERE EQUIPMENT AT GENERIC PRICES

(1) JD 2700 5-18" Plow with Cover Boards and Coulters, Cash Price $8,600

SPECIAL
FOR RENT
NEW JD 330
ROUND BALER

Coming in . . .
NH 790 Tandem Axle Spreader
JD 4400 Diesel Hi-Backseat Sharp
F145 4x16" Plow



30 Evergreen Rd., Lebanon, PA., (717) 272-4641 or Toll Free 1-800-441-4450 Ext. #6

Livestock market and auction news

St. Louis Cattle

Thursday, Dec. 5
Report Supplied by USDA

Receipts this week	4,500
Week Ago	1,600
Year Ago	4,500

Compared to last week's close, slaughter steers mostly 1.50 higher. Slaughter heifers 1.50-2.00 higher. Cows uneven, generally firm to 1.00 higher, except breaking utility and commercial 1.00 lower. Bulls firm to 1.00 higher. Slaughter supply mainly choice steers and heifers, around 10% cows.

SLAUGHTER STEERS: Mixed choice and prime 2-4 1075-1300 lbs. 66.00-66.50, part load 2-3 1300 lbs. 67.00. Choice 2-4 950-1325 lbs. 64.50-66.00. Mixed good and choice 2-3 900-1250 lbs. 63.00-65.00. Good 2-3 900-1200 lbs. 61.50-63.00; 850-900 lbs. 57.00-61.50. Mostly good 2-3 1075-1400 lb. holsteins 50.00-56.50. Standard to good 2-3 1050-1300 lbs. 46.00-50.00.

SLAUGHTER HEIFERS: Mixed choice and prime 2-4 900-1125 lbs. 64.00-64.50, couple packages 56.00. Choice 2-4 825-1100 lbs. 62.50-64.00. Mixed good and choice 2-3 800-1050 lbs. 61.00-62.50. Good 2-3 750-1000 lbs. 59.00-61.00; 700-750 lbs. 55.00-59.00.

COWS: (Closing Week Sales) Breaking utility and commercial 2-4 30.00-33.00. Cutter and boning utility 1-2 33.00-36.00. High-yielding cutter and boning utility 1-2 36.00-37.00. Canner and low cutter 1-2 31.00-34.00. Shelly canner 1-2 27.00-31.00.

BULLS: YG 1-2 1000-2125 lbs. 42.00-47.25, closing 43.00-47.25. Individual YG 1 1185 lbs. late 48.00.

Wednesday's Weekly Sheep Auction. Receipts around 450 head. No comparison because of holiday week. Quality improved.

SLAUGHTER LAMBS: Choice and prime shorn 100-115 lbs. 62.50-65.00. Choice and Prime wooled 100-115 lbs. 60.00-64.50. Couple packages 150-160 lb. lambs 50.00-58.00.

SLAUGHTER EWES: Few Utility to good 16.00-18.00. 30 head 155 lb. 3-4 year old breeding ewes ready to lambs 30.00.

FEEDER LAMBS: Choice and fancy 50-80 lbs. 63.50-65.50. Choice 57.00-60.00.

FEEDERS: 2000.

Feeder steers & heifers steady to 2.00 lower, instances 3.00 lower on calves compared with 2 weeks ago.

FEEDER STEERS: Medium Frame 1, 300-500 lbs. 64.00-68.00, 500-600 lbs. 61.00-65.00, 600-700 lbs. 58.00-65.50, 700-800 lbs. 54.50-58.50; Large Frame 2 holsteins 300-700 lbs 40.25-44.50.

FEEDER HEIFERS: Medium Frame 1, 300-500 lbs. 53.50-58.50, 500-800 lbs 48.50-54 50.

Central U.S. Carlot

Pork Report
Wednesday, Dec. 4
Report supplied by USDA

Compared to Tuesday's 4:00 P.M. report Fresh Pork Loins 14-18 lbs. $1.00-1.50 lower; Picnics 4-8 lbs. firm on light test; Boston butts steady to $1.00 higher; Skd hams not established; sdls bellies weak to $2.00 lower. Trade slow for moderate offerings and light to moderate demand.

Sales reported on 18 loads fresh pork cuts and 2 loads of trimmings and boneless processing pork.

Fresh Pork Cuts

LOINS, REGULAR: 14-18 lbs. 93.00-95.00, 1.00-1.50 lower.

22&up lbs. 83.50, no comparison.

PICNICS: 4-8 lbs. 44.00, firm.

BOSTON BUTTS: 4-8 lbs. 63.00, pl 64.00, steady to $1.00 hgr.

SPARERIBS (Frozen) 3.5-5.5 lbs. 83.00-84.00, no comparison.

BELLIES (Sdls., Skin On): 12-14 lbs. 56.00-56.50, 1.50-2.00 lower; 14-16 lbs. 56.00-56.50, 1.50-2.00 lower; 16-18 lbs. 53.50, weak; 18-20 lbs. 46.00.

Pork Trimmings/Boneless Processing Pork (Chemical Lean):

72% Lean Trimmings Fresh 64.25.

72% Lean Trimmings Frozen 63.75.

72% Bnls Picnics Frozen 68.00.

Cured and Processed Pork
Smoked Hams
(Water Added)

16-19 lbs. 96.00-106.00
19-23 lbs. 91.00-96.00.

Picnics

4-7 lbs. 57.00-62.00.

No. 1 Bacon

1 Lb. pack 116.00-141.00.

Morrison Cove Livestock

Martinsburg, Pa.
December 2, 1985
Report supplied by auction

CATTLE 143. High Ch. & Pr. sl. steers NONE, Choice 60.50-63.75, High Good & Low Ch. 57.50-61.50, Good 55.00-60.00, Good & Choice holsteins 45.00-51.25, Standard 42.00-44.00, Utility 34.50-40.00. Choice sl. heifers NONE, Good 54.50-57.50, Standard 48.50-53.00, Utility 35.00-42.00. Breaking Ut. & Commercial sl. cows 38.50-42.00, Cutter & Boning Ut. 35.50-38.25, Canner & Low Cutter 30.50-34.75, Shells down to 25.00. Choice sl. bullocks NONE, Good 45.50-48.75, Standard 42.00-43.50, Utility 35.00-38.50. Yield Grade No. 1 1200-1500 lbs. sl. bulls, 44.50-46.75, Yield Grade No. 2 1200-1600 lbs. 42.00-44.50.

FEEDER CATTLE: Steers Good 52.00-60.00 Standard 38.50-45.00, Heifers Good 45.00-53.50, Standard 38.50-44.50, Bulls Good 48.00-54.00, Standard 35.00-43.00.

CALVES 265: High Ch. & Pr. NONE, Choice 72.50-80.00, Good 65.00-74.00, Standard 55.00-63.50, Standard & Good 90 lb. to 130 lb. 48.50-59.00, Utility 50-80 lbs. 35.00-48.00. Holstein bulls 90-130 lbs. 62.50-91.50, Holstein heifers 90-130 lbs. 48.50-64.00.

HOGS 95: US No. 1-2 220-240 lbs. barrows and gilts 47.00-48.25, No. 1-3 220-250 lbs. 46.75-47.25, No. 2-3 220-240 lbs. 45.00-46.50, No. 1-3 270-320 lbs. 42.50-44.50. US No. 1-3 300-600 lbs. sows 38.50-47.50, No. 2-3 300-600 lbs. 35.00-38.25. Boars 29.50-31.00, Light weights 31.00-33.00.

FEEDER PIGS 8: US No. 1-3 30-40 lbs. feeder pigs 27.50-38.00 per head, Ut. 20 lbs. 10.00-14.50 per head.

SHEEP 12: High Ch. & Pr. 90-120 lbs. 64.50-69.00. Slaughter ewes 12.50-22.00. 3 GOATS 10.00-31.00 per head.

Chambersburg Livestock

Chambersburg, Pa.
Thursday, December 5
Report supplied by Auction

CATTLE: 346. Few Choice 1200-1650 lb. 59.00-60.75; few Good 47.00-53.50; Standard 42.35-47.00; few Good heifers 45.75-48.75; few Standard 37.50-42.00; Breaking Utility & Commercial 35.25-38.75; Cutter & Boning 33.50-36.75; Canner & Cutter 30.50-34.25; Yield Grade No. 1, 1140-2070 lb. 39.75-47.75.

FEEDER CATTLE: Steers few Med. Frame No. 1, 330-870 lb. 42.00-52.00.

CALVES: 460. Few Choice vealers 80.00-87.00; Good 62.00-78.00; Standard & Good few 110-125 lb. 54.50-58.50; 70-105 lb. 47.00-54.50.

FARM CALVES: Holstein bulls 90-130 lb. 55.00-108.00, mostly 75.00-95.00.

HOGS: 85. Couple lots US No. 2-3, 225-235 lb. 47.35; one lot No. 1-3, 190 lb. 42.00; sows US No. 1-3, 330-585 lb. 35.00-37.25; few boars 31.00-32.25.

FFEEDER PIGS: 60. Few 25-50 lb. 16.00-31.00 per head.

SHEEP: 16. Few Choice 90-115 lb. 67.50-71.00; few slaughter ewes 18.50-25.50.

GOATS: 6. Few Large 20.00-45.00 per head.

LEBANON

Forry's AG SERVICE INC Lancaster, Pa.

BEECHARDS R HI-AVAILABLE

2020 Horseshoe Rd., Lancaster, PA

SPECIALIZING IN FLUID FERTILIZER
(Granular Fertilizer Also Available)
OVER 36 YEARS EXPERIENCE
Using Modern Applicating Equipment For Every Size Job.

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SOIL TEST NOW
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How quickly
You Get Results
From Our
Classifieds!

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PENNSYLVANIA TOBACCO GROWERS

SUGGESTIONS FOR STRIPPING 1985 CROP

The following practices for handling, stripping, and baling are recommended:

1. Curing - Fully cure the tobacco.
2. Case - Strip only tobacco in natural case, on dry side. Bales containing excess moisture will be rejected.
3. Stripping - Bale separately all good quality tobacco. Remove all trash, frozen, muddy, shed damaged, or fat stem (BALE SEPARATELY.)
4. Baling - Make a good bale, lap tails or tips of leaf 8 to 10 inches. There is no objection to short bales of good quality tobacco. Poorly lapped or weak bales that break apart in the middle are not accepted by the industry. Please use cotton twine and paper on all Pennsylvania tobacco.
5. Baled tobacco should be stored in a dry, cool area until delivered. Do NOT store in damp cellar.
6. Weights of bales should be 60 to 68 pounds.

Protect tobacco with waterproof cover when making delivery to prevent damage from rain or snow.

LANCASTER TOBACCO BOARD OF TRADE

DEER HUNTERS

YOU CAN HAVE

- BOLOGNA
- KOLBASSI
- DRIED BEEF
- STEAK
- ROAST
- CHOPS

Deer Jerky
Deer Sausage
Ring Bologna
Pepper Stick

MADE FROM YOUR DEER!

Taxidermist Display Will Be At Our Location

HESS' BUTCHER SHOP
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Livestock market and auction news

Belknap Livestock

Dayton, Pa.
Wednesday, December 4
Report Supplied by PDA

CATTLE 90. COMPARED WITH LAST WEEK'S MARKET: SLAUGHTER COWS STEADY. One Utility slaughter steer at 43.00. Few Standard slaughter heifers 43-44.50, few Utility 37.25-38.50. Breaking Utility and Commercial slaughter cows 35.75-38, one at 38.75, Cutter and Boning Utility 32-36.50, Canner and Low Cutter 26.00-33, Shells down to 24.00. Utility slaughter bullocks 38.00-42.50. Yield Grade No. 1 1570 lbs. slaughter bulls at 47.75.

FEEDER CATTLE: Few Medium Frame #1 530-860 lbs. steers 47.50-55.50. Few Medium Frame #1 370-490 lbs. heifers 43.00-47, few Medium & Large #1 590-760 lbs. 40.25-45.00.

CALVES 89. Standard and Good 90-120 lbs. vealers 42.00-49, 60-85 lbs. 35.00-44.00. FARM CALVES: Holstein Bulls 95-130 lbs. 60.00-95, one at 101.00. Few Beef cross bulls and heifers 70-100 lbs. 45.00-70.00.

HOGS 174. BARROWS AND GILTS 50 CENTS TO $1 LOWER. US No. 1-2 220-235 lbs. barrows and gilts 45.50-46.80, No. 2-3 2-260 lbs. 44.25-45.50, few No. 2-4 220-285 lbs. 42.80-43.85, one lot No. 3-4 335 lbs. at 40.75, one lot No. 1-3 190 lbs. at 40.00. SOWS STEADY. US No. 1-3 315-470 lbs. sows 36.00-40. BOARS 25.00-27.50.

FEEDER PIGS 55. US No. 1-3 20-35 lbs. feeder pigs 13.00-26 per head, 45-55 lbs. 30.00-32 per head, one lot 110 lbs. at 52.00 per hundredweight, one lot 138 lbs. at 49.00 Cwt.

SHEEP 0. NO SALES ON OFFER. GOATS 10: 5.00-29.00 per head.

Leesport Livestock Auction

Leesport, Pa.
Wednesday, December 4
Report supplied by PDA

CATTLE 263. COMPARED WITH LAST WEEK'S MARKET: Choice 985-1525 lbs. slaughter steers 61.50-65, Good 54-62.50, Standard 41.50-46.25, few Choice Holsteins 54-54.75, few Good 47-51.75...Few Choice slaughter heifers 59.50-63, few Good holsteins 48.25-53, few Standard 43.00-47...Breaking Utility & Commercial slaughter cows 35-38.25, couple 39.00, Cutter & Boning Utility 33.50-36.75, Canner & Low Cutter 29.50-33.50, Shells down to 25...Few Choice slaughter bullocks 55.00-58, few Good 49.25-55...Yield Grade No. 1 1250-2230 lbs. slaughter bulls 43.35-49.35...FEEDER CATTLE: Medium Frame No. 1 450-550 lbs. steers 54.50-59, few Large #2 800-900 lbs. 39.75-44.50.

CALVES 166...Individual Prime vealer at 90.00, few Choice 75.00-80, few Good 62.00-70, (few) Standard & Good 115-125 lbs. 51.00-53, 75-110 lbs. 44.00-50, Utility 55-80 lbs. 35.00-40...FARM CALVES: Holstein Bulls 90-130 lbs. 52.00-86, mostly 65.00-75, Hol. Heifers (few) 75-110 lbs. 48.00-68.00.

HOGS 397...US No. 1-2 215-240 lbs. barrows and gilts 48.50-49.25, No. 2-3 210-250 lbs. 46.25-48.35, few lots No. 2-4 260-270 lbs. 43.00-46, No. 3-4 one lot 500 lbs. at 32.75...US No. 1-3 310-595 lbs. sows 36.25-39.50; few BOARS 30.00-36.00.

FEEDER PIGS 160...US No. 1-3 (one lot) 25 lbs. feeder pigs at 107.00, 50-90 lbs. 61.00-71, 30-50 lbs. 75.00-95, 100-150 lbs. 51.50-55 - all per hundredweight basis.

SHEEP 63...Choice 70-110 lbs. wooled slaughter lambs 60.00-70, one at 75.00, few Good 50-90 lbs. 54.00-62...Slaughter ewes 19.00-31.00...

GOATS 12: Few Medium 24.00-37.00 per head.

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, Dec. 3
Report Supplied by Auction

Heavy Fowl: .25-.40.
Leghorn Fowl: .10-.25.
Roasters: .20.
Pullets: .25-.30.
Bantams: .25-.40.
Geese: .50.
Roosters: .30-90.
Turkey: .30-.90.
Ducks: .75-.95.
Rabbits: .35-1.70.
Pigeons: 1.00-2.30.

Eggs

Grade A: White Jumbo X Lge. .65-.84, Brown .81-.90.

Grade A: White Large .57-.80, Brown .59-.81.

Grade A: White Medium .45-.70, Brown .42-.50.

Grade A: White Small .35-.40, Brown .33-.39.

Grade A: White Pee Wees .27.

New Holland Horse

New Holland Sales Stables
Monday, Dec. 2
Report supplied by auction

Reported receipts of 243 head of horses, mules and ponies.

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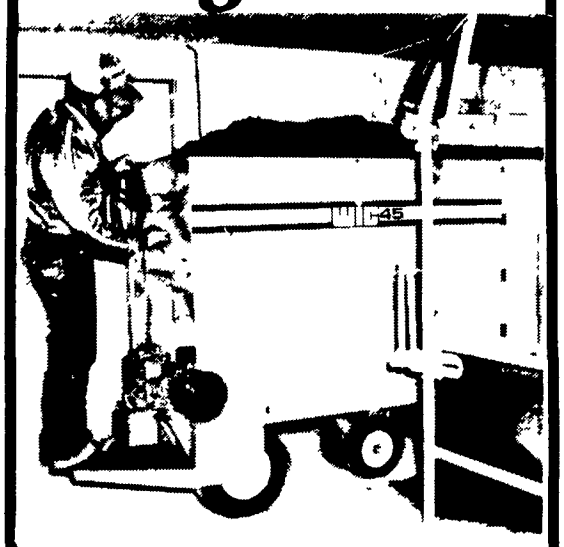

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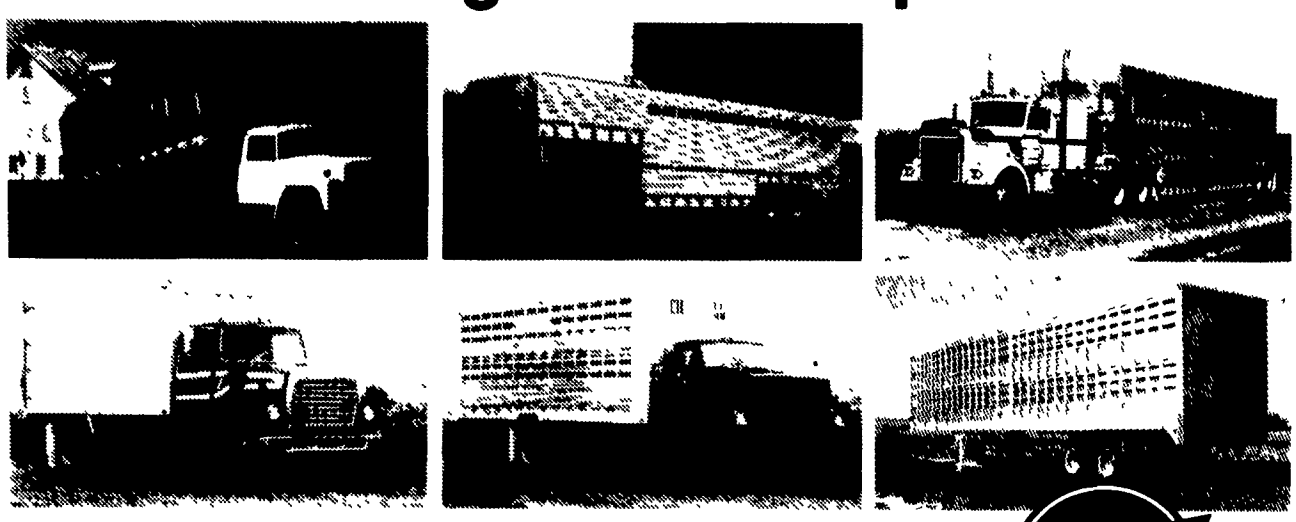

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Schlosser receives Extension honor

BY NANCY KUNICK
Staff Correspondent

MEADVILLE – Crawford County has reason to be proud of its Cooperative Extension Service, according to Dr. Homer Mazer, Northwest Pennsylvania assistant director of Extension. Dr. Mazer praised the "exceptional staff for their initiative, enthusiasm and ability to get the job done" at the annual meeting held in Meadville, Pa.

Numerous guests were introduced by county extension director Blaine Schlosser, including the guest speaker, Bernard Wingert who recently retired from the Extension in Warren County. He continues to write a weekly column for the Warren newspaper.

Wingert spoke on "Something about Work: But More about Living." His thoughtful but humorous speech pointed out the need for common sense with a dose of the work ethic. He said, "You don't have to do extraordinary things- just ordinary things extraordinarily well." He closed with several pieces of advice and this bit of philosophy; "Make the most of all that comes, and the least of all that goes."

A surprise presentation was made to Blaine Schlosser for reaching a 25 year milestone with the Penn State University Cooperative Extension Service. Cleon Livingston, Extension Executive Committee President presented the Nittany Lion plaque with sincere appreciation from the committee.

New members were elected to the extension executive committee during a brief business meeting. Thanks were extended to those whose terms ended, Mr. & Mrs. Scott Preston and Mr. George Bancroft. Door prizes were awarded.

Conference set on Agribusiness

ITHACA, NY – To assess the agricultural forecast for 1986, Cornell University will sponsor its annual "Agribusiness Outlook Conference" on Dec. 17 on campus.

Agricultural economists and animal scientists in the New York State College of Agriculture and Life Sciences at Cornell will present forecasts on trends in the general economy, and the dairy, livestock, fruit, and vegetable industries, as well as the outlook for farm expenses.

In addition, the financial health of New York farm businesses, agribusiness firms, and agricultural lenders will be examined. Other presentations include the problems and potentials of new technology and working with farm families at risk.

Open to agribusiness professionals, educators, representatives of the news media, and other interested individuals, the conference will be held from 9:30 a.m. to 4 p.m. in Room 45, Warren Hall.

For further information, contact Robert A. Milligan, Department of Agricultural Economics, 418 Warren Hall, Cornell University, Ithaca, NY 14853-7801, or telephone (607) 256-2299.

Potato output up corn down in '85

HARRISBURG – Pennsylvania's 1985 production of corn and tobacco is expected to be slightly below last year, while potato production is expected to exceed last year, based on November 1 conditions, according to the Pennsylvania Crop Reporting Service.

Corn for grain production is forecast at 146.6 million bushels, one percent below last year's record crop. Acreage for harvest is estimated at 1.37 million with a record yield of 107 bushels per acre.

Tobacco production is forecast at 21.4 million pounds, four percent below last year. Acreage for harvest is expected to be 11,500 with an average yield of 1,860 pounds per acre.

Potato production is forecast at 5.5 million cwt., seven percent more than the 1984 crop. Acreage for harvest is expected to be 22,000 with an average yield per acre of 250 cwt.

United States corn production is forecast at a record high 8.72 billion bushels, up 14 percent from last year and six percent more than the record 1982 harvest. Acres for harvest is set for 74.8 million, with an average yield of 116.6 bushels per acre.

All tobacco production is forecast at 1.53 billion pounds, 12 percent below last year. Acres for harvest is expected to be 697,610 with an average yield per acre of 2,188 pounds.

Fall potato production is forecast at a record high 346 million cwt., up 11 percent from last year and seven percent above the 1978 record production. Acreage for harvest is expected to be 1.15 million with an average yield per acre of 302 cwt.

Lampeter FFA holds citrus sale

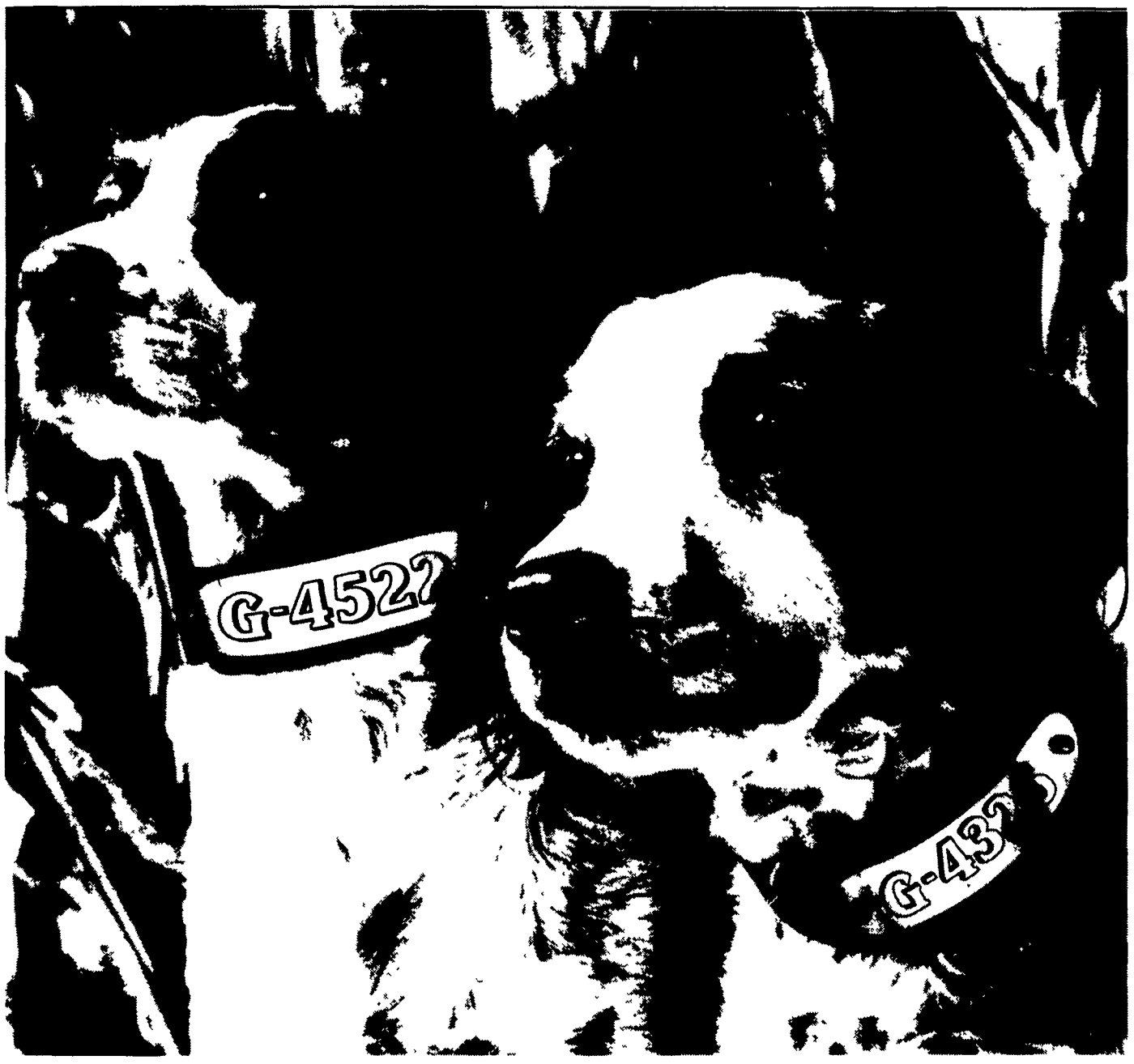
LAMPETER – Citrus fruit orders are currently being taken by members of the Garden Spot FFA Chapter of Lampeter-Strasburg High School. Fruit will be delivered during the week of Dec. 16.

Orders can be placed by calling the school at 464-3311, or by contacting any chapter member.

North Jersey Livestock

Hackettstown, NJ
Tuesday, Dec. 3
Report supplied by auction

Calves- 21.00-89.00.
Cows 28.00-42.25.
Easy Cows 16.00-38.25.
Heifers 33.75-44.00.
Bulls 33.75-50.25.
Steers 33.00-61.75.
Hogs 32.00-45.50.
Roasting Pigs, each 10.00-40.00.
Boars 32.50.
Sows 25.00-36.50.
Sheep 11.00-49.00.
Lambs, each 31.00-66.00.
Lambs, per lb. .41-1.09.
Goats, each 15.00-73.00.
Kids, each 12.00-46.00.
Hides, each 15.00.
Total 1272.



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HOTDIP DIP

PSU's mobile lab does soil tests

UNIVERSITY PARK — It may look like a Winnebago, but it is actually a nutrient laboratory, on the road expressly to help clean up the Chesapeake Bay.

The Pennsylvania State University and the state Department of Environmental Resources have teamed up to turn a recreational vehicle into a moving lab that will perform the essential tests every farmer needs.

"Its name is mobile nutrient laboratory," says Dale Baker, professor of soil chemistry and the man behind the van. "That name has two meanings; the van is mobile, and it analyzes one of the most mobile nutrients in the soil, nitrate nitrogen."

Nitrate nitrogen is one of the nutrients which is a detrimental pollutant in the Chesapeake, getting there from the Susquehanna River, which picks up the nutrients from the manured and fertilized farm lands in southeastern Pennsylvania.

The lab is on its way to becoming a home for an important tool ecologists and consultants can use to help the farmers do their part to clean up the bay: a small, computerized spectrophotometer which rapidly analyzes nitrate-nitrogen, water soluble phosphorus and other elements in soil, water or manure.

"That is the secret to why this will work so well," says Baker. "Anyone who has used the type of measuring tools found in any kitchen can operate this machine." Private consultants who work with farmers could include the same laboratory equipment and methods in their existing programs, he adds.

The concept sounds simple. The lab will visit about three farms a day with a tractor-powered soil-core sampler which takes samples at selected field depths. Within an amazingly short period of time, a farmer can find out just how much nitrate nitrogen or other elements are in his soil, manure or water.

With this information, and an on-board Macintosh computer, plans can be made to alter manure and fertilizer management programs to maintain productive soil without losing excess nutrients to runoff.

The problem, says Baker, is that many farmers do not have adequate records, and just aren't sure how much manure and fertilizer they have been putting on their fields.

"They have to have good records for this to work. It's a good system, but not good enough without records," he says.

Even without the past documents, the team of DER specialists who will run the mobile lab (and hopefully private consultants with their own labs, as well as the Conservation District and Soil Conservation Service personnel using the Soil and Environmental Chemistry Laboratory at Penn State, Baker adds) will still be able to devise the all-important management plans.

Any prior tests performed at Penn State's Merkle Lab and the Soil and Environmental Chemistry Laboratory on an individual farm will be incorporated to help determine how much manure and commercial fertilizer a farmer should use.

Baker says farmers need not fear that any information will lose its confidential status. "This is not for regulatory purposes, but only to promote the cleanup of the bay," he says.

"Farmers are not the culprits," Baker says; they just need help performing their occupation. "The ultimate goal is to have more profitable and more environmentally compatible nutrient management plans on every farm in the Commonwealth."

Baker looks to private enterprise to pick up the manure farmers don't need. "For example, if they get the poulutry and swine manure out of Lancaster County, and market it, farmers should be able to handle the cattle and dairy manure," he says, referring to the waste which is applied to the fields.

"Dairy farming is the biggest farm industry in southeastern Pennsylvania, but with a little reshuffling of the manure usage, they can sustain it," he adds. Ivan Glick of Sperry New Holland has made calculations which indicate that the dairy industry in Lancaster County can recycle its manure nutrients if erosion is controlled. "Our highest priorities must be erosion control and manure management," Bakler says.

Private concerns can market manure, he says, for burning as a fuel, removing to other countries for use in farms or forests or as an animal feeding supplement after broasting or ensiling.

Since Baker began working on the Chesapeake Bay project, he's seen progress. "Oh, yes, Lancaster County certainly looks a lot different than it did a year ago," he says.

He's counting on the farmers and industrious marketers to do even more. "I plan to be out of this research business by the end of September in 1986," he says.

Six students win Ag Alumni scholarships

UNIVERSITY PARK — The College of Agriculture Alumni Society awarded scholarships to six students who have demonstrated high academic achievement and leadership ability this year. The six were honored at the College of Agriculture Scholarship and Awards Banquet.

The alumni scholarship winners were: David A. Despot, a major in horticulture and the son of John and Helen Despot of Altoona; Tina A. Dreisbach, a major in plant science and the daughter of Thomas and Sandra Dreisbach of Wilkes-Barre; Todd A. Johnston, a major in agriculture from Lower Burrell; Timothy G. McElhinny, a major in food science and the son of Conrad and Phyllis McElwinny of Pittsburgh; Dale D. Persing, a major in animal bioscience from Bath; Charles H. Turner, a major in food science and the son of Charles and Linda Turner of Murrysville.

"The college has a strong financial assistance program for undergraduates," says James Mortensen, acting assistant dean for resident education. "This year 178 students have received awards from 89 separate scholarships, 11 of which are new or substantially expanded." he continues. Twenty five were awarded to freshmen. The College of Agriculture scholarship and awards program is one of the largest at Penn State.

Students in agriculture compete for nearly $200,000 in scholarships from annual and endowed funds, donated by friends, alumni and agricultural industries. Awards are made on the basis of financial need and academic promise. So far this year $140,000 of those funds have been awarded.

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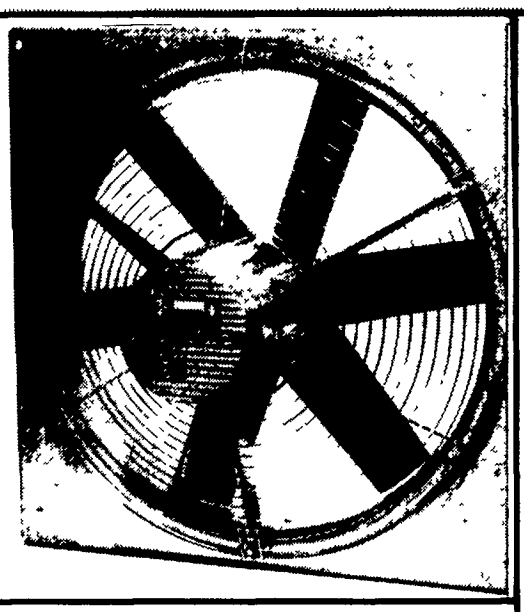

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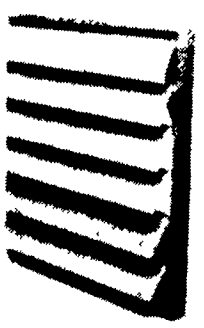

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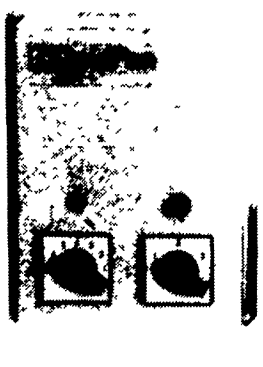

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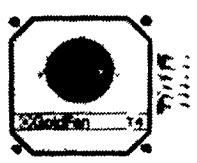

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20"	1000	1500	2300	3800	4560	2.1
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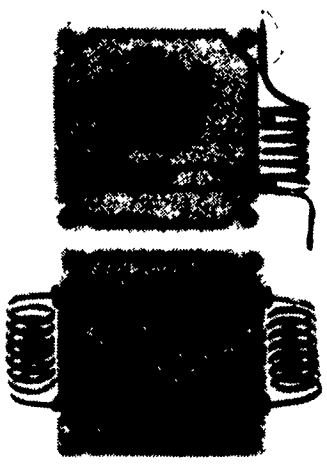

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Nitrates

(Continued from Page A1)

spreads to the fingers and toes. Along with the above symptoms, livestock may exhibit a staggering gait, rapid heartbeat and labored breathing. "It's a potentially fatal disease," said Makuch, "but it can be treated rather easily."

Because the bacteria capable of performing the nitrate-nitrite conversion are not present in adult humans, adults do not normally contract the disease. Infants younger than six months, however, lack the acidity in their digestive tracts necessary to kill the bacteria.

Like human infants, ruminant livestock (cattle and sheep) of all ages are susceptible to nitrate poisoning. Horses are also susceptible, as are young swine and poultry.

The acceptable limit of nitrate content in drinking water, as outlined by the Environmental Protection Agency, is 10 parts per million of nitrate nitrogen, also expressed as 45 ppm of nitrates, according to water resource specialist William Sharpe.

Though no legal limits have been established for livestock, researchers generally use a figure of 100 ppm nitrate-nitrogen, Sharpe said. Above this level, nitrate poisoning has been associated with increases in abortions, lower growth rate and reproductive problems, according to a nitrate report issued by Penn State University.

Though septic systems can contaminate private drinking water supplies, the biggest problem is overfertilization resulting from excess manure application to crop fields, said Makuch. "Nitrate dissolves easily, and if the plants don't use it, it's subject to leaching," he pointed out.

The problem is particularly acute in the southeastern part of the state, where large numbers of livestock produce more manure than existing cropland can utilize. The problem is intensified by the area's soils and geology, said Makuch. The area's fractured rock and porous soils speed the movement of excess nitrates to groundwater supplies, he noted.

Lancaster County Extension director Jay Irwin put the manure problem into perspective by comparing the county's livestock numbers in 1970 to a 1983 census. Whereas dairy cattle numbered 67,000 in 1970, 13 years later the number had nearly doubled to 112,000. A similar increase was noted in laying hen numbers, and the broiler population increased from 18 million to 44 million during that period. Cattle and calf numbers (includes young dairy stock and all beef cattle) jumped from 127,000 to 188,000, and hog numbers exploded, reaching 340,000 from a 1970 figure of 109,000.

"Every time you increase livestock numbers, you better be finding some more land to put that manure on," Irwin cautioned, noting that in 1983 the county needed about 340,000 acres of cropland to dispose of its manure at recommended application rates. In fact, only about 274,000 acres were available, he said.

The excess manure dilemma is reflected in statistics presented by Lancaster Laboratories microbiologist Earl Custer. "In 1978, 25 community water systems (including small municipal supplies and mobile home parks) were faced with the problem of elevated nitrates," Custer said, pointing out that the number has risen to about 30 to 35 systems currently.

He noted that nitrate levels of 50 to 70 milligrams per liter (roughly equivalent to parts per million) have been documented in private water supplies throughout the county.

Water specialist Karen Mancl listed three basic water treatment methods currently in use to combat high nitrate levels. Both the reverse osmosis and distillation systems are demineralization methods that work well for family water supplies but are incapable of servicing livestock operations, Mancl said.

A third system, based on ion exchange, is compatible with livestock requirements. "It's really the only one that will give you enough water," said the specialist.

But the cost of installing an ion exchange unit may be prohibitive for some operations, Mancl said. The resin required to remove nitrate from drinking water is about three time more expensive than the comparable material used in water softeners.

Can the cost of such a system be justified on the basis of increased milk, meat or egg production? As yet no numbers are available to answer that question. But Lancaster Extension dairy specialist Glenn Shirk feels that nitrate removal may prove to be beneficial. "I hear a number of farmers comment that when they install systems they see an improvement in (dairy) production," Shirk said. "I'm one who doesn't rule it out."

Ethanol market for corn grows 40%, NCGA says

ST. LOUIS — Corn used for fuel ethanol production is projected to account for 240 million bushels of corn in 1985 compared to 172 million bushels in 1984, a 40% increase.

"Increasing one of our corn markets by 40% per year is one of the few bright spots in agriculture, and that's what fuel ethanol did in 1985," says Dain Friend, National Corn Growers Association (NCGA) president from Warrensburg, Illinois.

Sighting data released by the Washington based Information Resources Incorporated (IRI), Friend says, "IRI projected 759 million gallons of sales for 1985 with 625 million gallons produced domestically. Of that, approximately 25 million gallons were produced from non-corn sources leaving 600 million gallons from corn. Calculating 2.5 gallons per bushel — that's 240 million bushels!"

John Pellet, NCGA vice president for market development and a farmer from Chesterfield, Missouri, calls this great news for U.S. corn growers. "Anytime a market grows at nearly 40%, that's exceptional because normally 5 to 6% growth is considered good," says Pellet. "This shows farmers can make a difference by working through their commodity organization to promote their products. Nobody is going to do it for us, especially in the ethanol market when we have the U.S. Customs Service allowing Brazilian ethanol imports to avoid the 60 cents per gallon duty and some oil companies trying to take this market away from us."

"U.S. corn growers can't let up because a 40% jump again in 1986 would consume nearly 350 million bushels of corn if we can sustain this growth," says Friend. "The opportunity to reach our billion bushel goal in 1990 is there, but not without a fight. Clearly, we must have new long term markets if we are ever to see profitable agriculture again and this is one market farmers have created and only farmers can sustain."

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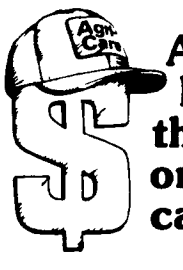

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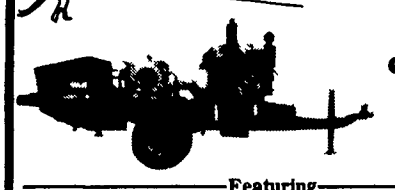

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PSU's Mr. & Ms. College of Ag: Study in contrasts

Ellen Cherchuck

William Lesher

UNIVERSITY PARK – Getting involved has paid off for college students William Lesher and Ellen Cherchuck. They are this year's Penn State Mr. and Ms. College of Agriculture.

William and Ellen were elected by Penn State students at the annual Ag Hill Festival in October. Besides their class work and club activities, they'll represent Penn State at major agricultural events, talking about the importance of an education in agriculture and answering questions about agricultural programs at Penn State.

William and Ellen are very different people.

William has lived at Way-Har Farms in Bernville, Berks County all his life. His family has a dairy operation with more than 110 cows, and they plant 900 acres of corn, alfalfa and small grains. William's family operates a dairy store that sells meats, groceries, milk and ice cream.

"That's why I'm majoring in agricultural science," William says. "I want a mix of dairy and business knowledge. I'm putting a big emphasis on classes in dairy nutrition, reproduction and herd management, because that's going to be a big thing down the road for me."

At Tulpehocken High School, he received the Keystone Farmer degree as a senior–the highest honor from Future Farmers of America. He won the FFA's outstanding Star Farmer and Star Agri-businessman award as a freshman, and his dairy judging team placed second in the FFA's Eastern States Competition when he was a junior.

William also belongs to the Western Berks 4-H Dairy Club. His dairy judging team finished first in the state and second in the nation in 1984. His bowl team did the same thing in 1982.

But dairy farming wasn't William's only interest in high school. He was also a member of Tulpehocken's honor society and student council.

At Penn State, William is a member of the university's Block and Bridle Club, Coaly Society, agricultural honor society and the Ag Student Council. This fall, William was the chairman of the Nittany Lion Fall Classic, a Holstein sale and display held in the Ag Arena.

But William's objective in working with all these organizations isn't to get a job with some agricultural-related company. "I definitely plan to go home after graduation," he says. "I'm really looking forward to working with Mom and Dad (Shirley and Wayne Lesher). Maybe one day I'll be a partner. I already play a role in the labor and management decisions."

While William grew up on a farm, Ellen had no farm experience before college. She grew up in Carlisle, and her only experience with agriculture was what she learned from her older sister, who owns an orchard and greenhouse business in Virginia, and her brother, a hog farmer in Carlisle.

"You don't need a farm background to succeed in agriculture," the daughter of Paul and Marion Cherchuck says. "If you're interested in science and you like dealing with people, you'll fit in agriculture. You can do something for others, and really have an impact."

In high school, Ellen was the yearbook editor, the class vice-president, a member of the principal's advisory council and the cross-country team's manager. But she was also interested in plants. When she came to Penn State to study agronomy (the science of crops and soil) she quickly joined the Agronomy Club and other scientific groups.

She plans to go into crop production or management research when she graduates. "Like I said, I'm interested in science and people," she explains. "Agriculture combines both of these things."

As a member of the soil judging team, Ellen has spent nights and weekends learning the fine points of soil classification. Penn State's team placed second in the Northeast Regional competition this fall.

But by far, Ms. College of Agriculture is Ellen's biggest achievement at Penn State. She hopes to introduce agriculture to new Penn State students, especially those from non-farm backgrounds.

"Some people have such a limited view of agriculture," she says. "Even the students already at Penn State tend to see agriculture as working with cows. There's so much more. As Ms. College of Agriculture, I'd like to expand this image."

Both William and Ellen know what's in store for this year's Mr. and Ms. College of Agriculture. They must attend faculty meetings as student representatives, and talk to hundreds of prospective agricultural college students. But both know the real job they're expected to do.

"Our big job is to promote Penn State," William says. "We have a good thing here, and it's important to let everyone know about it. Ten years from now, when agricultural production gets even more competitive and new agricultural jobs open up, agricultural business owners and managers are going to need backgrounds in management and marketing. Ellen and I can get this message across as Mr. and Ms. College of Agriculture."

Penn State to study acid rain effect on crops

HARRISBURG – State Agricultural Secretary Richard E. Grubb has announced the award of a $200,000 research project designed to assess the impact of acid rain on agricultural production in the Commonwealth.

"This project can help our agricultural industry learn more about the effects of acid rain on key crops such as corn and oats, which are the focus of the study," said Grubb. "Information gleaned from the project should prove valuable to the entire industry, from the farmer to the customer," he added.

The project, to be carried out by researchers at the Pennsylvania State University, calls for establishment of test plots of field corn and oats in four mobile greenhouses at the University's Rock Springs Research Farm.

According to project guidelines, a rain delivery system will also be established to allow simulated rain to be pumped simultaneously to all plots in the houses. Four different pH treatments will be administered in each house. The pH levels will reflect the upper and lower limits of rain in Central Pennsylvania, as well as levels from surrounding areas. The plants will then be evaluated according to several criteria.

Funding for the project was made possible through a line item appropriation for acid rain precipitation studies in the Agriculture Department's 1985-86 budget.

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A6615	115	45	Pioneer 3358	+7.2 Bu.
A6615	115	31	Dekalb 1100	+6.8 Bu.
A6630	115	24	Dekalb 1100	+5.9 Bu.
A6630	115	42	Pioneer 3358	+4.5 Bu.
A6655	116	46	Pioneer 3358	+7.7 Bu.
A6655	116	40	Dekalb 1100	+13.5 Bu.
A6655	116	28	Dekalb 656	+12 Bu.
A6655	116	32	Funks 4522	+9.9 Bu.
A6655	116	45	Pioneer 3378	+6.7 Bu.

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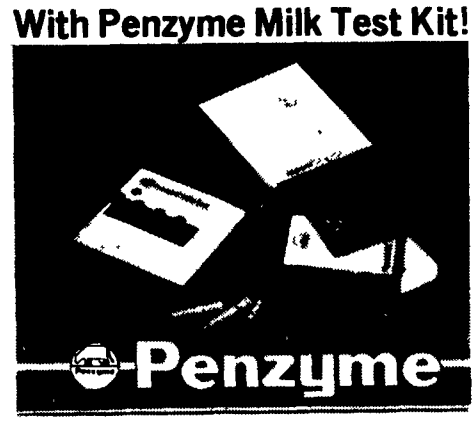

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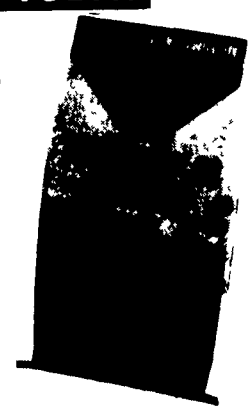

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Walter (left) and John (center) Lutz accepting the award for "Ingenuity and Innovation" in soil and water conservation from Dr. G. Clarke.

Soil conservation honors to Lutzes

CREAMERY – Walter and John Lutz of Congo PA, were honored by the Montgomery County Conservation District for "Ingenuity and Innovation" in soil and water conservation. The awards were presented at the Trappe Grange Farm-City Banquet, by District Chairman, Dr. Duane G. Clarke. In presenting the award, Clarke cited "the pride and workmanship that the Lutz's show in their farming operation and conservation work."

Walter and John, father and son respectively, are both graduates of Penn State University's College of Agriculture, where John (class of 1975) earned a degree in Ag-engineering before returning home to farm. John's knowledge of engineering explains the ingenuity, but their interest in conservation started with Walter Lutz practicing soil conservation beginning in 1962.

The Lutzes, along with Elsie, Walter's wife, live on a farm originally bought by Walter's father Cyrus, back in 1920. They raise corn which they use as feed for their hog operation, and oats and hay for sale.

Over the years, the Lutzes have employed many conservation practices, including terraces, tile drainage, and conservation tillage. What has set them apart has been their design, construction, and use of special waterways, spillways, and water detention ponds.

These structures are designed to slow water and control erosion. More importantly, they promote water infiltration into the soil to recharge the ground water. Droughts in recent years have shown the importance of this in highly populated areas like southeast PA where wells have been known to go dry.

In 1984, the Lutzes completed a hog manure storage facility which holds this very important fertilizer source, until it can be used in their fields. This is a real problem for farmers with livestock. Timing and application of manure used on the fields is very important for pollution control. The Lutzes will continue to experiment to find the best method of timing and application for their operation. The Montgomery County Conservation District commends the Lutzes on their fine achievements, and is sure many more will continue.

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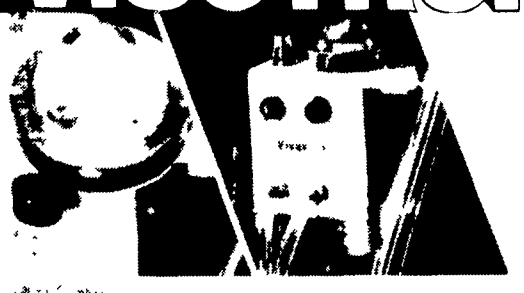

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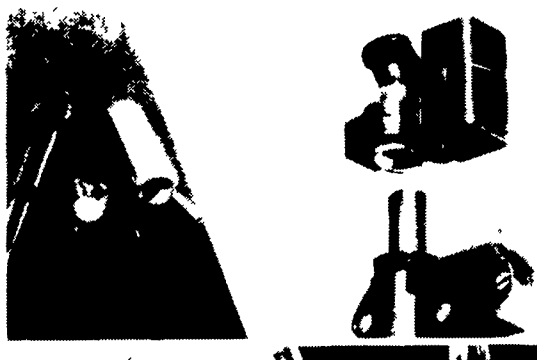

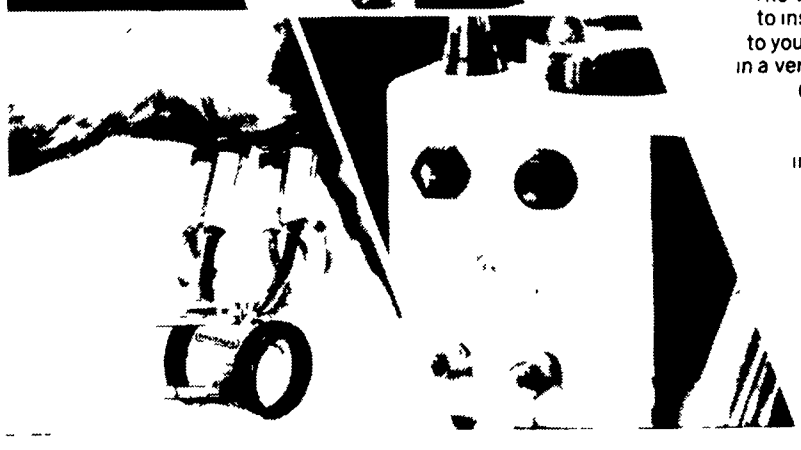

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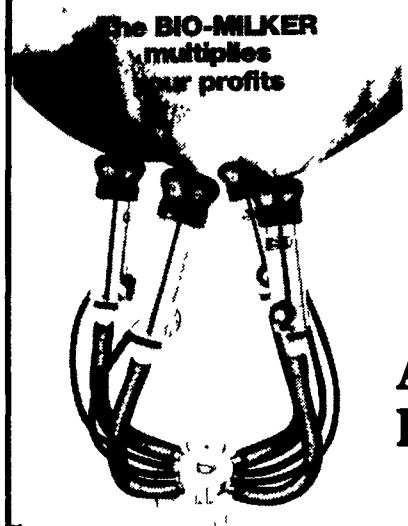

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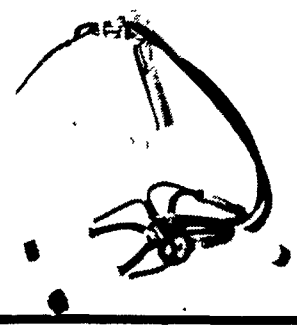

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Conference underway on 1985 Farm Bill

(Continued from Page A1)

purchases are expected to exceed 10 billion pounds.

• Give the Secretary authority to increase support payments 50 cents a hundredweight, if surplus purchases drop to two billion pounds or less.

• Order the Secretary to complete a study of Class I differentials, giving special attention to changes in cost of transportation. USDA would also be required to study the desireability of establishing a payment limit for the dairy program.

• Express the "sense of the Senate" against the imposition of an assessment on dairy farmers to finance any program to reduce production, specifically, a dairy diversion program.

The House's version, on the other hand:

• Creates stand-by diversion authority. In a program similar to the one which expired April 1, the legislation would authorize USDA to institute a diversion program if government purchases exceed five billion pounds equivalent, and would require a diversion plan if purchases reached seven billion pounds. As with the previous program, producers would be paid $10 a hundredweight to reduce their marketings, and would sign a two-year contract.

• Authorizes a whole-herd buyout. The Secretary would also have the authority to accept bids at other payment rates under a 100-percent buyout plan.

• Levies an assessment on producers to fund the diversion program. Producers would be required to pay an assessment sufficient to fund the cost of dairy programs on all milk produced above the five-million-pound-surplus level. Current figures place the assessment at 40 cents a hundredweight.

• Ties price supports to cost of production. Each year, the Secretary of Agriculture would compute a preliminary support price, based on changes in cost of production, as compared to a base year. If projected government purchases at this price level are expected to exceed four billion pounds of milk equivalent, the Secretary is authorized to reduce the support figure by 2.6 percent for every additional one billion pounds of surplus, up to a maximum of 7.8 percent. For the current marketing year, it is estimated the formula would produce a support level of about $11.74 a hundredweight.

• Requires a study of marketing orders. Within 120 days of the enactment of the legislation, the Secretary of Agriculture would be required to raise the differentials in 33 marketing orders. This provision, which establishes those figures by law, is designed to assure adequate supplies in the Southeast. The bill also would permit milk handlers who provide market-wide service in marketing orders — such as moving milk into deficit areas — to get service payments which have the effect of spreading servicing costs among all farmers supplying a marketing order area.

• Creates a National Dairy Research Endowment Institute which would conduct research on nutritional needs for dairy products and on ways to develop new dairy products.

• Authorizes USDA to purchase an additional 200 million pounds of meat, whenever a dairy diversion program is in effect. The purchases, which would be donated to domestic food assistance programs, are designed to offset the effect of the additional numbers of dairy cows sent to slaughter.

• Requires that USDA conduct a study to determine whether imports of casein interfere with or render ineffective the current price support program.

Yoders, Peachey, Bradstead win Mifflin DHIA awards

LEWISTOWN — Percy S. and R. Glenn Yoder, Belleville RD, won High Herd — Fat honors, while Bradstead Farm of Lewistown RD 1 walked away with the High Herd — Milk trophy for Mifflin County's DHIA.

The Yoders' 82 cows averaged 770 pounds of butterfat, while also producing 19,499 pounds of milk and 636 pounds of protein.

Bradstead Farm's 37-cow herd averaged 21,605 pounds of milk, also producing 759 pounds of fat and 663 pounds of protein.

High protein honors went to John A. Peachey of Mill Creek, whose 55-cow herd averaged 666 pounds of protein, also recording 21,187 pounds of milk and 765 pounds of fat.

Other top herds included: Charles L. Forgy, McVeytown RD 1, 762 pounds of fat; Merle E. Yoder, Belleville RD 2, 723 pounds; Kore E. Yoder, Belleville RD 2, 722; Mark S. Yoder, Belleville RD 1, 721; Joseph E. Kurtz, Belleville RD 1, 713; Paul J. Zook, Belleville RD 1, 712; Louis S. Peachey Jr., Belleville RD 1, 710.

Also, James H. Allison, Belleville RD, 708; Joshua D. Yoder, Belleville RD 2, 706; Marvin R. Kanagy, Belleville RD 1, 705; Sylvanus S. Peachey, Belleville RD, 701; Kore J. Peachey, Milroy RD 1, 700; and J. Loren Yoder, Belleville RD 2, 700.

Bucks honors to Wilson

DOYLESTOWN — Theodore S. Wilson of Richboro had the leading herd for the year in the Bucks County DHIA.

The 50-cow Wilson herd topped all others in the county in milk output (20,203 pounds), butterfat (734 pounds) and protein (645 pounds).

Walter and David Wurster of Ottsville RD 1 were second in milk production, with 19,604 pounds, also averaging 630 pounds of protein, for runnerup honors in that category as well.

Richard O. Smith, New Hope RD 2, placed second in butterfat production, with 717 pounds of fat from his 63 registered Guernseys.

Also averaging more than 700 pounds of fat for the year was the 30-cow herd of Holsteins owned by J. Howard Roth of Kintnersville RD 1, which averaged 706.

Other leading herds in butterfat production were: Harry E Thompson, Newtown, 699 pounds; Delaware Valley College, Doylestown, 698; William and Eleanor Gunser, Newtown RD 1, 696; Willow Ridge Farm, Buckingham, 691; Robert-Donald Crouse, Riegelsville RD 1, 684; Raymond Gross, Plumsteadville, 682; George and David Bishop, Doylestown, 682.

Also, Delaware Valley College, 679; Moyers Village Farm, Perkasie, 677; Crooked Acres Dairy, New Hope, 672; Paul L.-Kevin Bishop, Perkasie, 665; Breezydale Farms, Yardley, 656; David R. Wolfinger, Ottsville RD 1, 655; Joe and Linda Ford, Kintnersville, 655; and James Pavlica, Kintnersville, 653.

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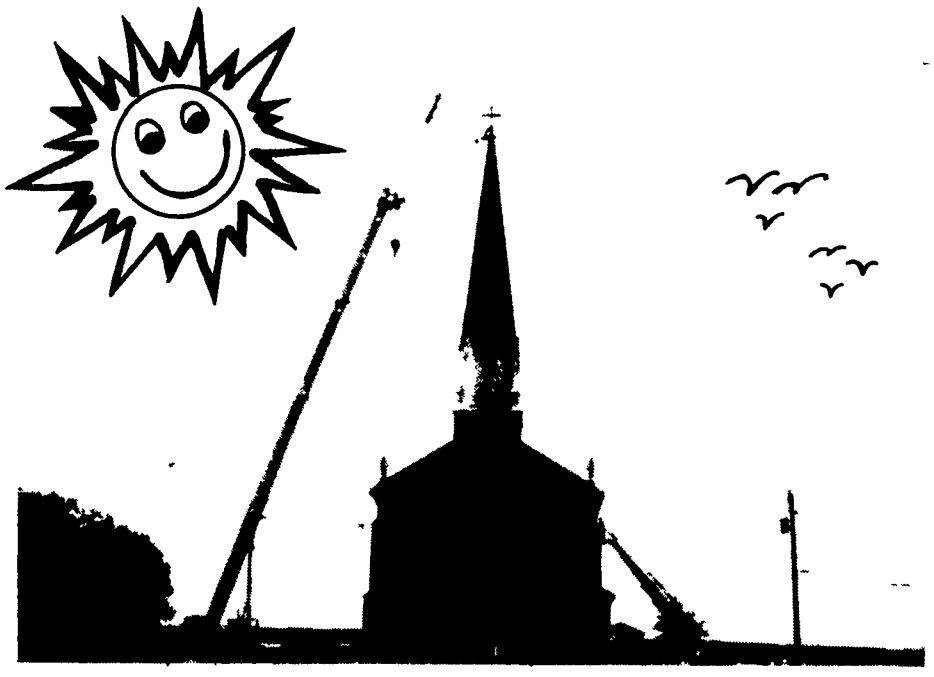

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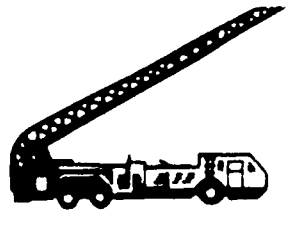

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Penn State schedules Farm Builders Conference

CHAMBERSBURG – The fifth annual Pennsylvania Farm Builders Conference will be held Jan. 29 and 30, 1986 at the Holiday Inn in Chambersburg, Pa. The two-day program for the farm builders, equipment suppliers, and farmers doing their own construction will include 1 1/2 days of talks and a half-day tour.

The conference topics include: Computer Usage, Manure Storage, State Laws and Regulations, Laminated Posts, Dairy Buildings Update, Warranties and Guarantees on Metal Roofing and Siding, Farm Building Mistakes and Solutions, Farm Shops, Large Clear Span Buildings and Horse Barn Design. A dozen commercial exhibitors will be displaying various farm building products during the conference.

The first afternoon will be spent on a four-stop tour to Wilson College's new horse barn and riding arena, a controlled atmosphere fruit storage for 400,000 bushels and their processing facility, a 160-cow dairy farm with a gravity flow channel manure transfer system and remodeled barn with treatment facilities, and Nitterhouse' s concrete building materials plant where blocks and other precast concrete products are made. A banquet and talk by Penn State's Dr. Louis Moore on the farm economy follows the tour.

For registration and more detailed program information contact Daniel Meyer, Extension Agricultural Engineer, at 204 Agricultural Engineering Building, University Park, PA 16802 (phone: 814/865-7685).

Ag land preserve group slates benefit breakfast

LANCASTER – A holiday season country buffet, to benefit the preservation of Lancaster County farmland, will be served on Saturday, Dec. 14, and Sunday, Dec. 15, from 8 a.m. to 12 noon at the Family Style Restaurant, Lincoln Highway East, 4½ miles east of Lancaster.

For only $3, ag preservation supporters can enjoy a hearty all-you-can-eat breakfast of pancakes, eggs, ham and sausage, home fries, French toast, pastry, and beverages in an informal family style setting.

The Skiadis family, owners of the restaurant, have secured donations of breakfast items from area suppliers, and are donating their facility, staff time and all proceeds of the meal, which will go to the Lancaster County Agricultural Land Preservation Fund.

Make your contribution to preserving Lancaster County's heritage, its rich farmland resources, by attending the Farmland Preservation Breakfast!

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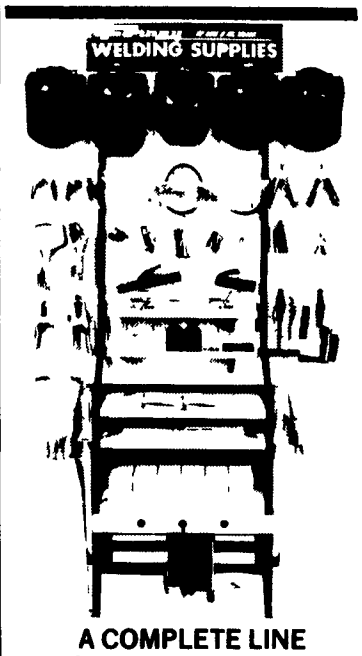

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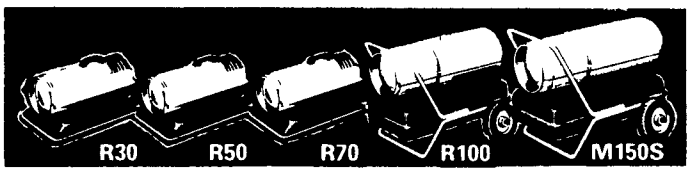

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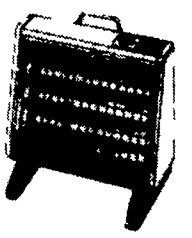

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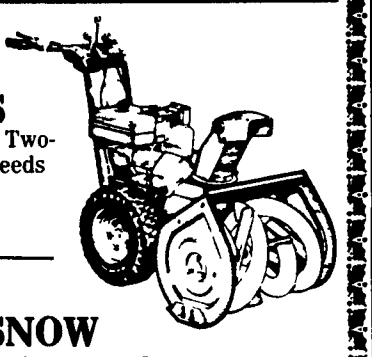
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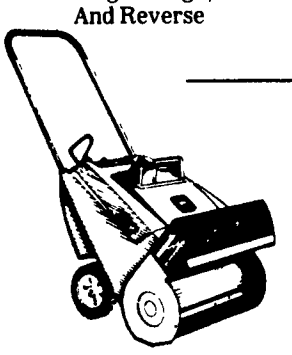
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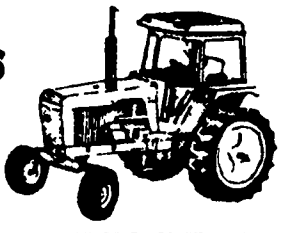

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Christmas tree short course offered

YORK – A Christmas Tree Pest Management Short Course will be held at the Pennsylvania State University, University Park on Jan. 6 and 7, 1986.

Topics to be included in the two-day Short Course are Weeds and Their Control, Pesticide Safety & Safety Equipment, Insects & Diseases of Christmas Trees, Poisoning and the Law. Discussion session and hands-on lab periods will be also held. Buckout Lab will be the site of the course.

The cost for the Short Course is $50. To register send a check payable to the Pennsylvania State University to: Short Courses in Agriculture, 306 Agri. Admin Bldg., University Park, PA 16802.

Include your name, firm name, business address and phone number with your registration fee. Only those who pre-register will be provided with instructional materials. For more information on the Short Course contact the York County Extension Office at 112 Pleasant Acres Rd., York - phone 757-9657.

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'Salad Bar Craze' boosts vegetable consumption

COLLEGE PARK, MD. – Total fresh vegetable consumption per capita increased steadily during the 1974-83 study period. (Table 1) Lettuce, tomatoes, cucumbers, green peppers and celery showed increased per capita consumption over the period. Snap beans, cabbage and corn declined, while carrots declined during the late '70's and rallied during the early 80's.

These figures document the beginning of the "salad bar craze" and support the move to more fresh items in the diet of the average American consumer.

Table 1
Per Capita Consumption of Fresh Vegetables
USA
1974-83, pounds-retail weight

Year	Tomatoes	Snap Beans	Corn	Cucumbers	Lettuce	Total Fresh Vegetables
1974	10 0	1 4	7 0	3 1	21 9	91 6
1975	10 1	1 5	7 2	2 9	21 9	90 3
1976	10 7	1 5	7 5	3 3	22 5	92 9
1977	10 5	1 4	7 1	3 6	24 0	93 6
1978	11 2	1 3	6 8	3 9	23 8	95 4
1979	11 0	1 3	6 7	4 0	24 1	96 4
1980	11 4	1 4	6 6	4 0	24 8	98 8
1981	11 3	1 3	6 5	4 1	23 8	96 2
1982	11 8	n a	6 3	n a	23 5	100 1
1983	11 2	n a	6 4	n a	24 1	99 9

Source: Food Consumption, Prices and Expenditures, 1963-83. Statistical Bulletin No. 713, ERS, USDA, 1984

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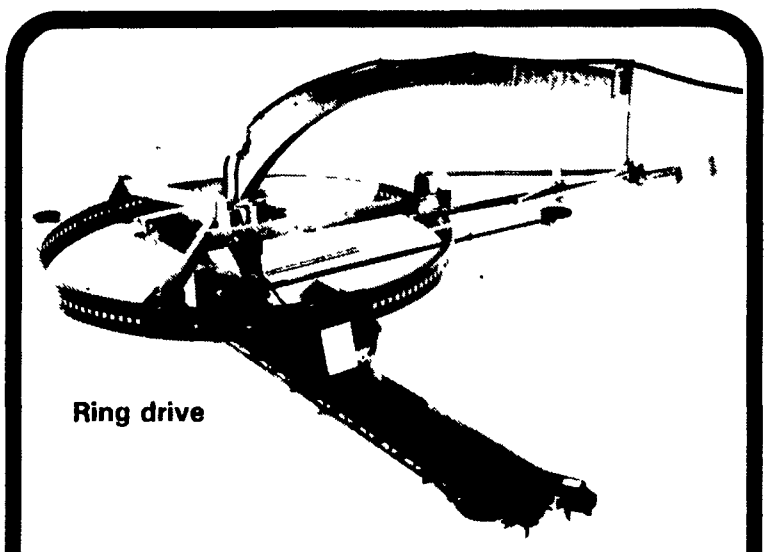

Ring drive

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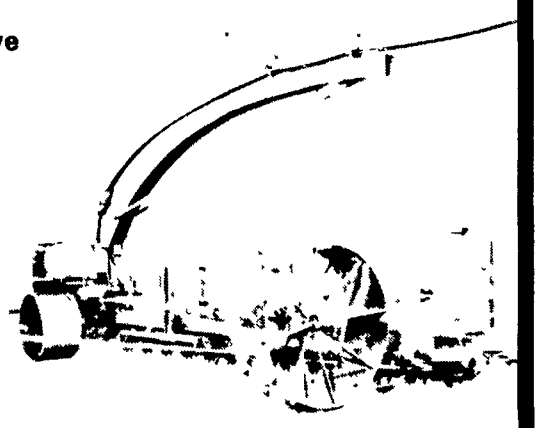

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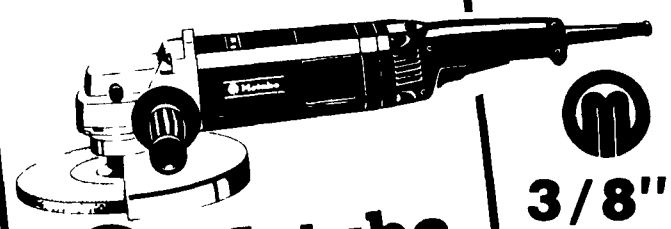

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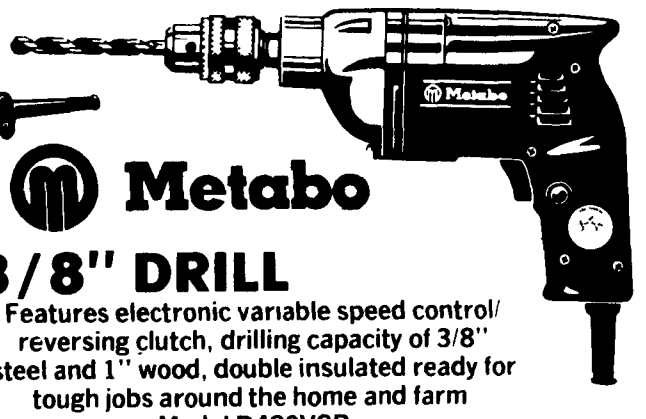

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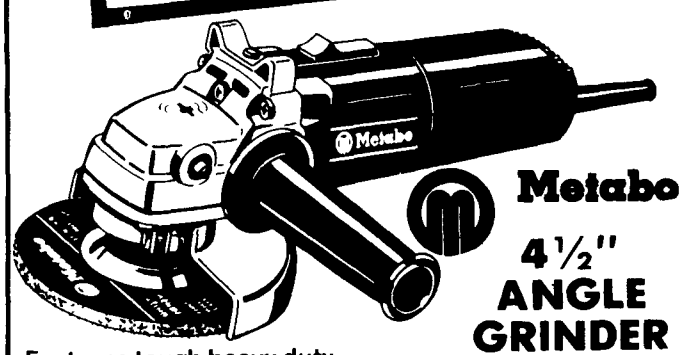

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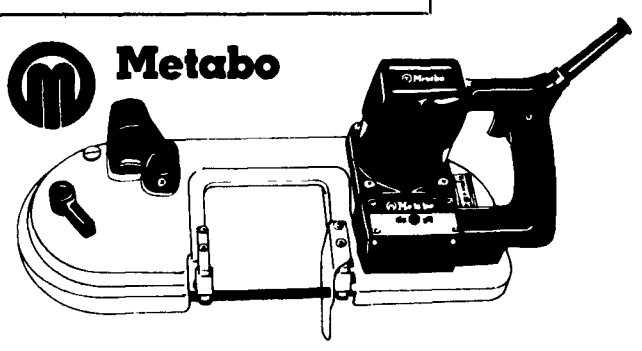

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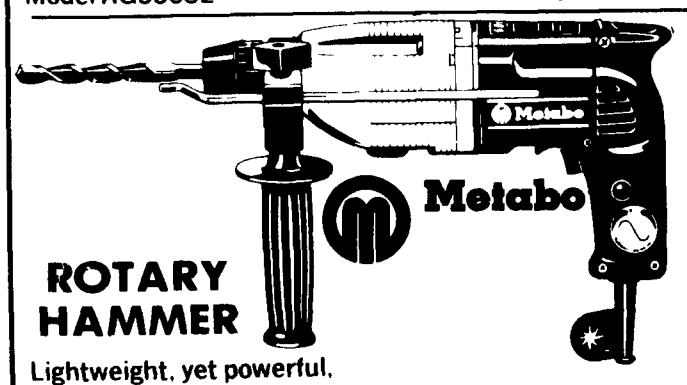

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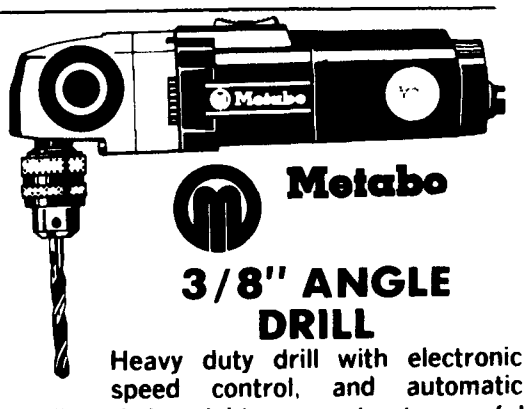

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Penn State ag students win scholarships

Two Penn State students in the College of Agriculture recently were awarded national scholarships from the National Alpha Zeta Foundation. Leo L. Dunn, second from right, a senior majoring in agricultural science, management and agricultural business, received a $250 endowed scholarship. Charlie Brummer, second from left, a senior majoring in agronomy, received a $500 national scholarship. Both winners are members of Penn State's Morrill Chapter of Alpha Zeta. Dr. W. Wayne Hinish, right, acting dean of the College of Agriculture, and Dr. James H. Mortensen, left, acting assistant dean for resident education, presented the scholarship checks to the students, extending congratulations on behalf of the College. Both students plan to use the scholarship money to continue their education in agriculture. Dunn will complete his undergraduate degrees next year. He hopes to work in personnel recruitment for agricultural business after graduation. Brummer, after graduating this spring, plans to pursue a graduate degree in plant breeding and genetics.

Quality forage is focus of Delaware meeting

NEWARK, Del. – Farmers who attend the upcoming Maryland-Delaware Forage Council meeting will hear several experts outline their recommendations for quality forage and alfalfa production. The meeting will be held from 10 a.m. to 2:30 p.m. Wednesday, December 11, at the Hartly Fire Hall in Hartly, Del. It is being sponsored jointly by the Forage Council, Delaware State College and the Cooperative Extension services of Delaware and Maryland.

Dr. Larry Satter, a nutritionist with the U.S. Forage and Dairy Research Center in Madison, Wis., will speak at two sessions. The first will focus on the advantages and disadvantages of various hay preservatives and additives, how they can be used to improve forage quality, and when they are needed.

Satter's other presentation will cover forage testing and how forages of various qualities affect livestock performance.

William Fleet, a regional agronomist for Pioneer Seed Co. with extensive experience in alfalfa production, will discuss farming practices which affect performance and outline guidelines for obtaining maximum yields with this high value crop.

The third speaker will be Dr. E. Kim Cassel, extension dairy nutritionist at the University of Maryland. Her topic will be: Forage Quality–Room for Improvement. She will stress the importance of harvesting forage crops at the proper stage, and will discuss the effect of stage of development on quality.

For further information on this event contact a county extension office.

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Can today's mines become tomorrow's wetlands?

UNIVERSITY PARK – Environmentalists and mining industries for many years have been at odds over mining. At issue are its benefits to the economy versus its costs to the environment. Surface mining provides relatively inexpensive coal at a time when other energy sources are increasingly expensive or inaccessible. However, mining denudes the land, disturbs wildlife populations and vegetative growth, and often disrupts the water table. Frequently acid discharge into water systems is an added cost.

Although the law requires mining companies to reclaim the spent land, the process is very costly. And some critics question whether the reclamation ever really repairs the damage inflicted on the environment.

The Pennsylvania State University recently brought together some 250 people from all the factions to this dilemma–mining industry representatives, engineers, geologists, ecologists, enviromentalists, and representatives from regulatory agencies. The first of its kind, the conference focused on a promising new approach to reclamation that involves wetlands.

Wetlands include any area, however small or large, where the water table is at or near the surface, including swamps, bogs, ponds, lakes and streams. Establishing wetlands on previously mined land appeals to industry because it is relatively inexpensive and requires less long-term maintenance.

Ecologists are enthusiastic because wetlands are valuable ecosystems that have been disappearing to developers at the rate of nearly 450,000 acres per year. Researchers say that, in some instances, the wetlands serve as an "environmental filter," significantly reducing acidic mine drainages.

"Wetlands can serve as waste water treatment facilities to a certain extent–they are presently being used for municipal sewage treatment in some places," says Dr. Robert Brooks, conference co-chairman and wildlife ecologist at The Pennsylvania State University. "We now have evidence that they can also effectively treat acidic mine drainages."

The combination of various wetland plants and bacteria acts as a natural filter of the sediments that run off mined land, as well as removing pollutants such as manganese and iron. This filtering process also serves to raise the pH of mine drainage water. Currently mining companies spend $1.5 to $2 million monthly on chemicals to do this job.

Brooks also points out that leaving water on mined lands helps offset the loss of millions of acres of wetlands, which has only gained public recognition and protection in the past two decades. "Wetlands are a newly discovered resource," says Brooks. "They don't take up much of the landscape, but their social value and and ecological functions are very important. Along with aesthetic and recreational appeal, wetlands are valuable both economically, to the fish and fur industries, for example, and biologically, as wildlife habitat and as aids in flood, erosion, and pollution control."

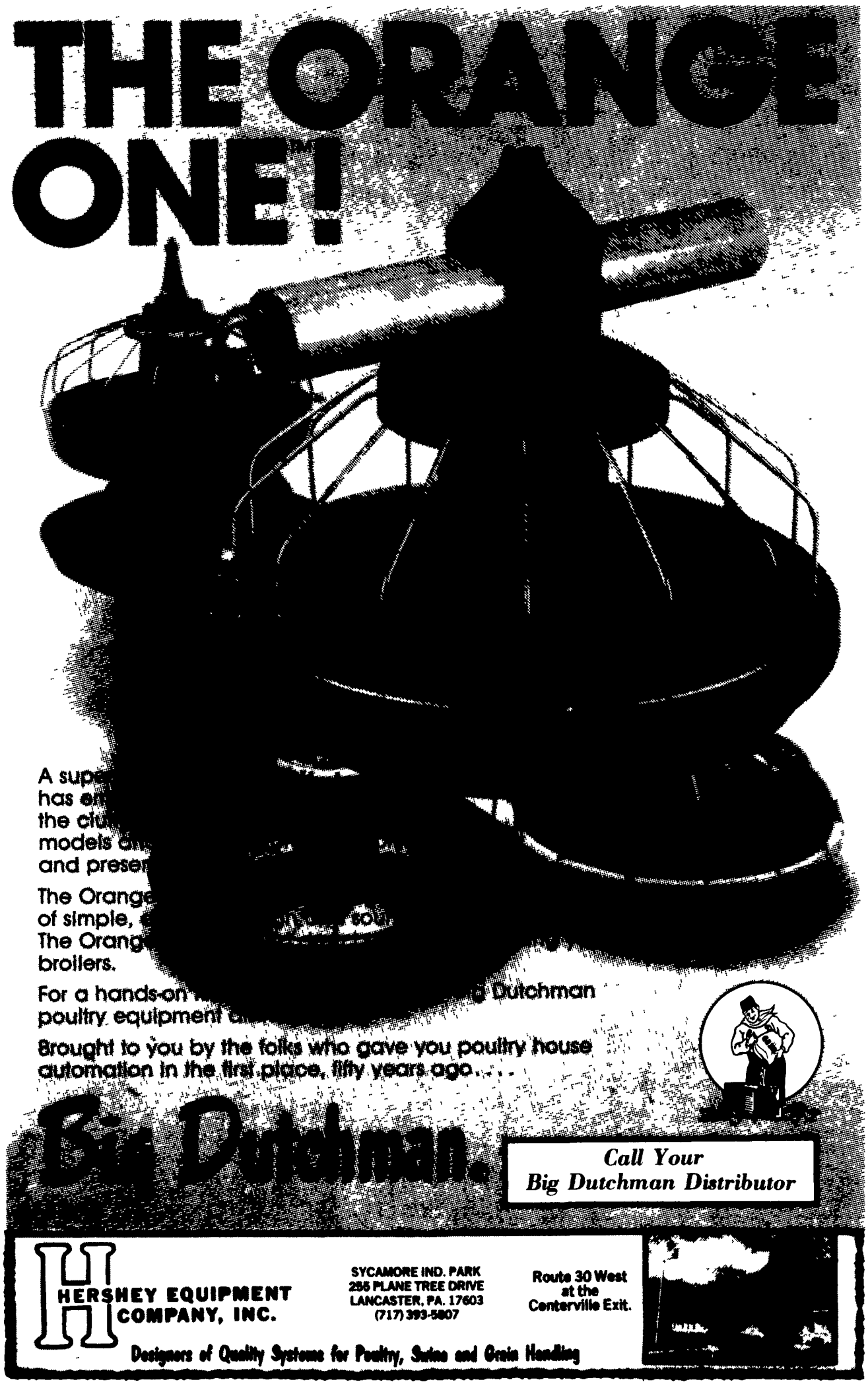
Agriculture, primarily conversion to croplands, is responsible for 80 to 90 percent of wetland losses, especially in the midwest's "prairie pothole region." Pennsylvania, along with other Eastern states, has slowed the loss by adopting stricter protection standards and innovative conservation programs.

The research that Brooks has been conducting in Pennsylvania over the past two years serves as a model for many burgeoning reclamation projects. Brooks has directed a team of Penn State ecologists in monitoring, and in some cases designing, 35 mined sites that now serve as aquatic homes to a diverse collection of flora and fauna that includes more than 125 wildlife species.

The wetlands conference also addressed the problems facing mine operators. Legislation intended to protect the environment from mine-related deterioration has in fact discouraged wetland development. The law requires mined lands to be restored to former usefulness unless "higher or better uses" are demonstrated. It is often simpler for industry to follow common regrading and replanting practices than to wade through the red tape to establish a wetland.

The conference provided federal and state regulators the opportunity to clarify current standards, as well as hear results of research and demonstration projects that may influence future environmental regulations. "Drawing together all of the interested parties and starting a dialogue among them was a major goal of the conference," says Brooks.

"By getting everyone talking, I think we can add some wetlands and realize their benefits to the environment. To be effective we're going to have to get a new relationship going with industry, regulators and the public. If we all work together, we can all reap the benefits."



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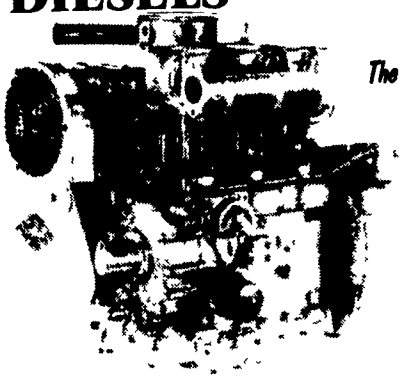

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PFA to discuss on farm labor

CAMP HILL – About 70 farmer-employers from throughout Pennsylvania and New Jersey will meet in Harrisburg, December 9 and 10 to learn how to improve the productivity and efficiency of their farm labor force without cutting manpower or wages.

The farmers will be attending the Ag Employers' Labor Management Seminar sponsored by the Pennsylvania Farmers' Association (PFA) at the Sheraton West. PFA is a voluntary farm organization which provides a voice in public affairs and services for 23,313 farm families in Pennsylvania.

Steve Crawford, PFA's Director of Agricultural Labor, said, "Farmers are fast recognizing that labor is a vital resource which needs to be managed as efficiently and effectively in agriculture as in any other industry. What we hope to accomplish with the seminar is to introduce farm managers to management techniques that have been used successfully in other industries and that can be applied with equal effectiveness to agriculture."

Seminar leader will be George Daniels, General Manager of the Farm Employers Labor Service of the California Farm Bureau Federation. Practical advice on hiring, setting work policies, and training supervisors will be offered.

Corn growers challenge ruling on ethanol imports

ST. LOUIS – The National Corn Growers Association (NCGA) Executive Committee has voted unanimously to challenge the United States Customs Service letter ruling in court concerning NCGA's petition to halt the duty-free importing of upgraded ethanol from the Carribean Basin Initiative (CBI) countries.

"We can't believe this ruling which is contrary to the comments received by Customs during the notice and comment period," says NCGA President Dain Friend of Warrensburg, Illinois. "In fact, the Bureau of Alcohol, Tobacco and Firearms within the Treasury Department and the government body with the responsibility to control the alcohol industry agreed with us!

"In a March 28, 1985 letter, the Bureau's Chief of Regulations and Procedures Division said "the process to be completed in the CBI country involves the extraction of excess water from the distilled spirits. In our opinion, this does not constitute a substantial change in the identity of the spirits."

"NCGA will challenge the ruling in court as soon as possible and simultaneously pursue Federal legislation to close this loophole," says Friend. "With Custom's ruling, alcohol which has had 5% water added to it can be exported from Brazil to a Carribean country, that water can be removed for pennies, and then imported duty-free because Customs believes the product has been "substantially transformed". NCGA does not oppose duty-free entry of ethanol produced in CBI countries, but removing 5% water is like saying a grain elevator produced my corn because he dried the moisture out."

John Pellet, NCGA market development chairman from Chesterfield, Missouri says, "Corn growers feel very strongly about this issue. The ethanol market is the fastest growing one we have using over 220 million bushels of corn this year. Farmers who have talked to me, say if we don't fight for our own markets and promote them, nobody will do it for us," says Pellet.

Two PSU students win Pork Council Scholarships

UNIVERSITY PARK – Duff L. George, a senior majoring in animal production at Penn State, and Robert Mikesell, a sophomore also in animal production, were honored at the College of Agriculture Scholarship and Awards Banquet last month.

The annual event honors donors and recognizes outstanding students in agriculture. Dr. Stanley S. Rosen, Evan Pugh Professor of Philosophy and Fellow of the Institute of Arts and Humanistic Studies, gave the key note address. He urged students to develop a philosophic point of view and to examine the underlying philosophy of the subjects they study and the work they choose to pursue.

George and Mikesell received the Dwight E. Younkin Memorial scholarship, sponsored by the Pennsylvania Pork Producers Council. It is granted each year to students in animal production, who have expressed an interest in swine production and have a superior academic record.

"The college has a strong financial assistance program for undergraduates," says James Mortensen, acting assistant dean for resident education. "This year 178 students have received awards from 89 separate scholarships, 11 of which are new or substantially expanded." he continues. Twenty five were awarded to freshmen. The College of Agriculture scholarship and awards program is one of the largest at Penn State.

Students in agriculture compete for nearly $200,000 in scholarships from annual and endowed funds, donated by friends, alumni and agricultural industries. Awards are made on the basis of financial need and academic promise. So far this year $140,000 of those funds have been awarded.

Duff George is the son of Mr. and Mrs. Jimmie C. George of Carlisle and Robert Mikesell is the son of Robert and Marlene Mikesell of Marion Center.

Four MD counties on disaster list

ANNAPOLIS – Four Maryland counties have been declared eligible for Federal disaster assistance it was recently announced by G. Wallace Caulk, State Director of the U.S. Department of Agrulture's Farmers Home Administration.

Due to damages and losses caused by severe storms and flooding which began on November 3, 1985, President Reagan declared the state of West Virginia a major disaster area. Counties in surrounding states that are located near one or more of the eight affected West Virginia counties have also been declared eligible for federal disaster assistance. Those Maryland counties are Garrett, Alleghany, Frederick and Washington.

Applications for Garrett County will be received through July 7, 1986. Applications for Alleghany, Frederick and Washington counties will be received through July 9, 1986. Interested applicants should contact the appropriate FmHA County Office for their area.

In a related development, St. Mary's County has also been declared a nearby county where eligible farmers may qualify for FmHA EM loan assistance as a result of the major damages and losses caused by severe storms and flooding in the state of Viginia on November 3, 1985.

Emergency loan applications will be received through July 9, 1986. Interested applicants should contact the FmHA County Office in St. Mary's County.

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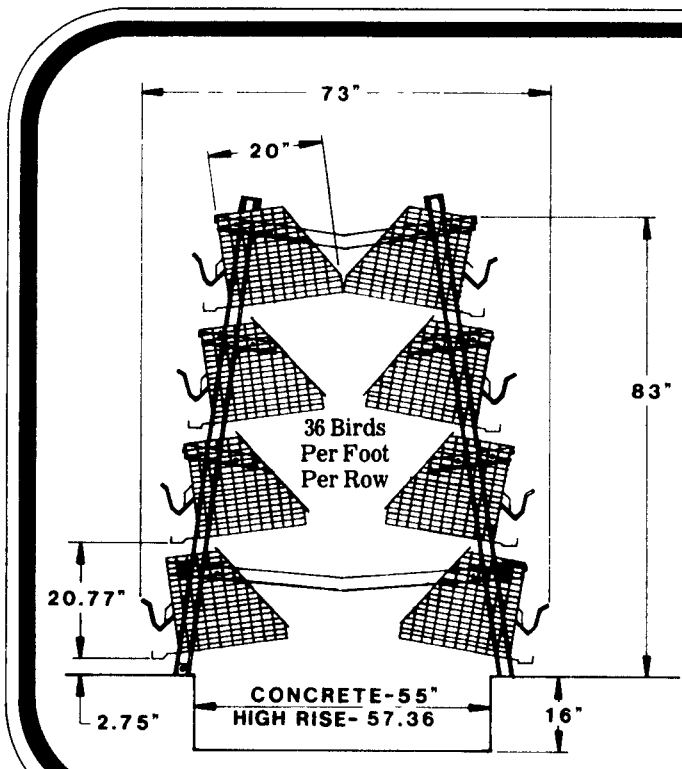

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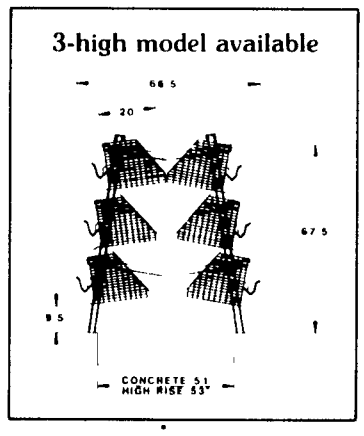

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CHORE-TIME

New device tells when cows are in heat

ITHACA, NY – Higher profits might be in store for the nation's dairy farmers as the result of a Cornell University invention that takes the guesswork out of determining when cows should be bred.

When it is in place on a dairy farm operation, use of this electronic device–called a "Passive Electronic Activity Monitor"–can reduce long calving intervals, resulting in more profitable milk production, says Norman R. Scott, one of the system's co-inventors.

Scott, a professor of agricultural engineering, is also director of research for the New York State College of Agriculture and Life Sciences at Cornell. He developed the estrus detection system with two of his former graduate students, John W. Gettens and Nicholas A. Sigrimis.

The invention is based on researchers' observations that the activity levels of cows increase when they go into estrus. It differs from other systems in that it is fully automated and needs no batteries.

At the heart of the estrus detection system is a small, circular transponder, about two inches in diameter and about a half-inch thick, a bit smaller than a hockey puck. Worn much like a dog tag on a collar around the cow's neck, the transponder includes a sensor for detecting and recording the cow's movements as a part of an electronic cow identification system.

The transponder is designed to be used in conjunction with an automatic milk metering system and other herd monitoring systems.

Scott says this invention will enable farmers to know, at a glance, which of their cows are in heat, and the milk production of each cow, or the total herd, at every milking.

"The potential is significant," Scott says. "By increasing the detection rate of estrus and therefore presumable breeding the cows on time, you will produce more milk without additional inputs."

The system consists of the transponder, equipment to activate the transponder, a receiver, and a microcomputer. Scott says that the biggest advantage of the system is its complete automation.

As cows walk into the milking parlor on a farm, the activity monitoring and identification devices contained in the transponder and the cow's neck are activated by an electronic coil at the parlor entrance. the activated transponder sends signals containg the cow's identification and its recorded movements to a receiver, which relays that information to a microcomputer.

"The microcomputer printout will show the likelihood of estrus and also how much milk is produced by each cow," Scott says.

In addition, the system can use a video display screen in conjunction with the computer printout equipment. The screen, if mounted in the milking parlor, will enable the farmer to monitor the herd at milking time; a more permanent record will be kept in the computer or printed on paper.

Scott and his colleagues are now looking for manufacturers who would build and market their invention.

The Cornell invention has been tested at the university's Animal Science Teaching and Research Center at Hartfor, where hundreds of milking cows are used for a variety of research projects. Tests have shown that the automated estrus detection system is efficient, reliable, accurate, and fully automatic, Scott says.

"No other estrus detection sensor provides the automatic input of information without a power source (battery)," Scott explains.

The accuracy of the existing estrus detection methods in use ranges from 40 to 60 percent. The new Cornell system is expected to boost that rate by 10 percent or more. This would result in an increased earning, on average, of at least $30 in increased milk production per cow per year, Scott estimates.

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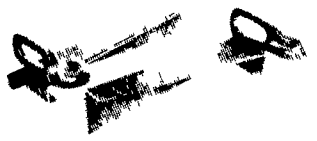

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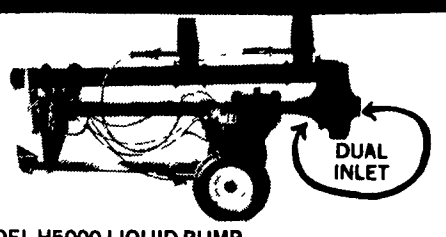

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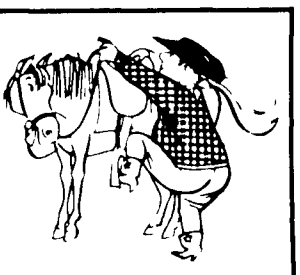

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Industry, environmental groups reach pesticide accord

WASHINGTON – Representatives of the agricultural chemical industry and of a coalition of national environmental, consumer and labor organizations have signed and released an agreement in principle on a series of amendments to the federal pesticide law, known as the Federal Insecticide, Fungicide and Rodenticide Act or FIFRA.

Breaking an impasse of some thirteen years, the parties to the agreement, which included the National Agricultural Chemicals Association and more than 40 citizens' groups will now begin the process of drafting the necessary statutory language, to be submitted to Congress for its consideration in the coming months of this session.

For more than a decade, the need for FIFRA reform has been the subject of substantial controversy between environmentalists and industry. Prior attempts to change the pesticide statute have consistently been stalled in Congress due to this stalemate. While significant future obstacles still remain, and other interested parties including the Environmental Protection Agency and the farm community remain to be heard from, this agreement, the result of several months of negotiations, is a significant breakthrough. It is an important step toward a strengthened federal pesticide statute and increased protection of public health and the environment.

In summary, the agreement includes the following provisions:

• Reregistration. For all pesticides currently on the market, the Environmental Protection Agency will review within a certain period the health and safety studies previously submitted by the industry to support pesticide registrations and identify "gaps" in the data base where such studies are outdated, lacking or otherwise inadequate. Pesticide companies will then complete necessary additional testing within four to five years and EPA shall complete "reregistration" of these pesticides within one year of receipt of the data. Increased staffing for this reregistration process will include revenues raised from reregistration fees provided by the industry. If necessary data are not provided, the registration of the chemical shall be cancelled

• Invalid Date. During the late 1970's, it was learned that data provided by the now defunct Industrial Biotest Laboratory (IBT) to the pesticide industry and EPA were false or invalid. For pesticides where these invalid dates are material to the pesticide registration and have not already been replaced, EPA will be required to suspend the pesticide's registration. If future data are discovered to be similarly false or invalid, EPA will be authorized to require replacement studies on an expedited basis or where appropriate cancel the pesticide registration.

• Conditional Registrations. Under existing law, pesticides can sometimes be registered "conditionally" without the full complement of health and safety data normally required. Such conditional registrations will now be prohibited for new pesticide active ingredients or new uses of existing pesticides with limited exceptions.

• Access to Health and Safety Studies. Under existing law, the public may only obtain industry generated health and safety data after EPA has decided to register the pesticide. In the future, these studies will be available prior to registration of the product. Further, clarifying an ambiguity in the existing law, health and safety data obtained for already registered pesticides may be communicated to others (e.g., for scientific peer review) or published, but with equal safeguards to ensure that the studies will not be delivered to a competitor of the pesticide registrant.

• Community Right-to-Know. The current pesticide statute makes no provision for providing pertinent information to local communities or local officials concerning pesticides being produced at chemical companies. A new FIFRA provision would require pesticide registrants to submit to EPA and make available to local communities, fire and health authorities, and others at manufacturing plants or use localities, a summary of revelant health and safety information on their products. Information will also be made available identifying the pesticides being produced and the locations of pesticide plants in the United States.

• Inert Ingredients Improved protections will be established to regulate pesticide "inert" ingredients, some of which may present risks to health or the environment. EPA will establish a priority list of inert ingredients known or suspected of being hazardous or for which sufficient health and safety data are now available to make that determination. Such inert ingredients will then be regulated to prevent unreasonable adverse effects on human health or the environment. The identity of such listed inerts will be disclosed on product labels.

• Pesticide Export. In a series of provisions dealing with pesticides not registered for use in the United States, but exported, the importer and the appropriate pesticide regulatory officials in importing countries will be notified where products have been cancelled, suspended, restricted, or voluntarily withdrawn from sale in the United States. An export will not proceed until the exporter obtains written evidence of receipt of the notice. Such notices shall identify exporter and purchaser and include a statement of the reasons why the product cannot be sold in the United States. In addition, the label of the exported pesticide will contain in the appropriate language the same or similar health and safety as the U.S. label, unless to do so would violate the laws of the importing country.

Agricultural commodities and food products imported into the United States from foreign countries containing detectable residues of pesticides that have been cancelled, suspended, denied or voluntarily withdrawn for those commodities will not be permitted, unless they are due solely to their persistence in the environment or where regulatory action was not due to public health concerns.

• Pesticide Cancellation Procedures. The length of EPA administrative procedures to cancel or otherwise regulate pesticide products suspected of posing risks to health and the environment have been seriously criticized for inordinate delays. FIFRA would be amended to reduce the length of these delays by providing that EPA "special reviews" of pesticides of concern will not exceed one year and, further, any cancellation hearing be completed within 180 days. In the past, the opportunity to request such a hearing when the party was dissatisfied with an EPA "special review" determination has been limited to pesticide registrants and users. Under the proposed amendment, any party, including environmental or consumer organizations, may demand a hearing before an Administrative Law Judge.

• Groundwater. FIFRA does not currently specifically address the issue of pesticides found in groundwater. The parties have sought unsuccessfully to reach agreement on this issue but negotiations will continue.

Dr. Jack D. Early, President of the National Agricultural Chemicals Association (NACA) expressed his satisfaction that a very important first step has been taken to modify FIFRA in ways that will be in the best interest of the public and the pesticide industry.

He cautioned that "some difficult negotiations still remain" as negotiators for both sides go about the "very exacting process" of drafting specific legislative language

Dr. Early said, however, he remains optimistic that all parties involved the EPA, members of Congress and the entire agricultural community will ultimately be able to reach final agreements on specific amendments."

"We hope that such agreements added to the significant progress we have made already will serve to help lower public concerns about health-related aspects of the use of agrichemicals," Early said.

Speaking on behalf of the Environmental Coalition, Public Citizen Nancy Drabble observed that, "This agreement results from many months of intense and good faith negotiations by all concerned. It represents the first time that the environmental and consumer community and a regulated industry have ever reached agreement on a major piece of environmental legislation.

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Montgomery Co. honors Brzostek

CREAMERY – Ed Brzostek, District Conservationist, for the USDA, Soil Conservation Services (SCS), has been honored for his "Outstanding Service" in soil conservation to Montgomery County. Montgomery County Conservation District Chairman, Dr. Duane G. Clarke, cited Ed's many achievements during his seven years in the county. When presenting the award, Clarke stated "the honor is well deserved and overdue".

As head of the SCS office in Creamery, Brzostek is kept busy. The office provides technical assistance on soil conservation to farmers, developers, and other landusers. He arrives at work early, and the phone starts ringing immediately.

People who know Ed, know to call him early, and people call him often, from the Montgomery County Planning Commission developing a new park, to township engineers, farmers, developers, and homeowners.

Ed tries to help everyone in spite of many other duties and responsibilities. According to Bill Steuteville, a co-worker, "Ed should learn to say no more often. Some problems could be passed to others, but he likes to help people if he can." The people Ed likes most are farmers. The biggest part of his job is advising farmers on controlling erosion, filling gullies, and draining wet fields. Often it is hard convincing farmers that conservation is necessary. But if Brzostek can save a farmer money and help him grow better crops while controlling erosion, they'll usually listen.

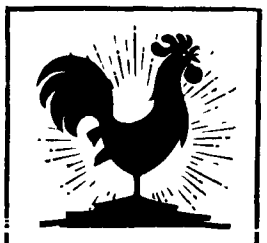
"Farmers can save hundreds of dollars by building terraces and waterways themselves with their own equipment. We can show them how." claims Brzostek. And farmers have listened, by doing more conservation work this year than ever before, according to Montgomery County records.

Whether he is helping a farmer in the field, or addressing a developer's erosion problems over the phone, Ed likes his work.

But he doesn't let work keep him from fishing or spending time with his family; Rita, his wife, Jennifer and Eddie Jr., his children, which are Ed's favorite pastimes.

Most people would agree that Ed's work is "Outstanding Service". He and his staff want to help people with soil conservation problems or questions. You can call them at 489-6071, but remember to call early.

Edward Brzostek (left) accepts award for "Outstanding Service" from Dr. Duane G. Clarke.



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Franklin Co. seedling sale in progress

CHAMBERSBURG – The Annual Tree Seedling Sale of the Franklin County Conservation District is now in progress. Seedlings must be purchased in bundles of 25 per species. This insures the quality of the seedlings since packets will not have to be opened upon arrival from the nursery.

Seedlings will be available for pickup around the end of April. Those ordering tree seedlings will be notified by mail of the date and pickup area.

Species available this year include: Austrian Pine, Norwest Scotch Pine, White Pine, Colorado Blue Spruce, Norway Spruce, Concolor Fir, Douglas Fir, Canadian Hemlock, and Chinese Chestnut. Crownvetch will also be available again this year.

Orders may be placed by stopping by the Conservation District Office at 550 Cleveland Avenue, Chambersburg, Pa. 17201, or phoning the office at 264-8074 for an order form. All orders must be prepaid.

Deadline for ordering these seedlings is Jan. 31, 1986.

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FFA Meats Team at Kansas City

Members of the state's top FFA Meats Judging Team received congratulations from National Meats Contest sponsors at this year's National FFA Convention in Kansas City, Mo. From left are representatives from sponsors George A. Hormel and Co. and Oscar Mayer Foods. Team members are Mike Hall, Lampeter-Strasburg; Cassie Stowe, Elizabethtown; Bob Barley, Penn Manor; coach Gerald Wyble, Elizabethtown. The Bronze Medal team placed 26th.

Farmers to be queried on livestock numbers

HARRISBURG – Pennsylvania farmers will be asked to participate in an annual, nationwide survey during late November and December. The purpose of the survey, conducted by the Pennsylvania Crop and Livestock Reporting Service, is to obtain information to develop inventory numbers of livestock–including cattle, hogs, sheep and chickens. The survey will also provide data to develop the first indication of fall seeded winter wheat acreage for the 1986 crop.

The survey will be comprised of a sample of several hundred farmers thoughout the Keystone State. Collection of the data will begin November 20 and continue through the first week of December. Data collection will be by two methods, with enumerators personally interviewing a cross-section of farmers included in the sample, while other farmers are asked to complete and return the questionnaire they receive in the mail.

Farmers' cooperation is necessary to provide reliable counts, and all information reported will be kept confidential. Individual reports will be used only in combination with other producer reports to develop official state and national totals.

Results from the survey will provide farmers, business firms, policy makers and other data users with information helpful in planning future activities. One publication that uses data from the survey is the Hogs and Pigs report, released December 23. Other early 1986 publications that draw upon data from the survey are Layers and Egg Production, released January 28; Sheep, released January 28; and Cattle on February 10.

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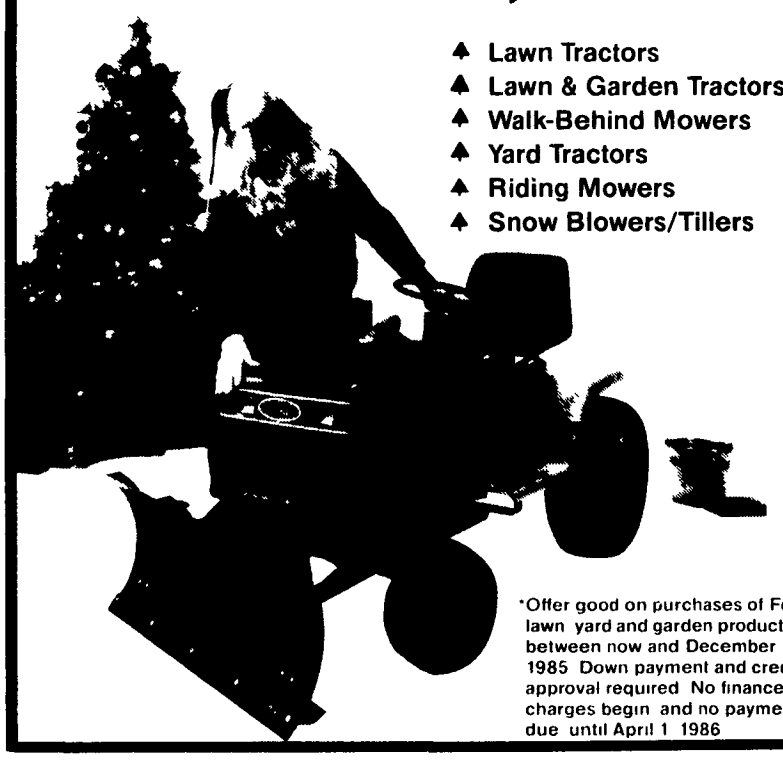

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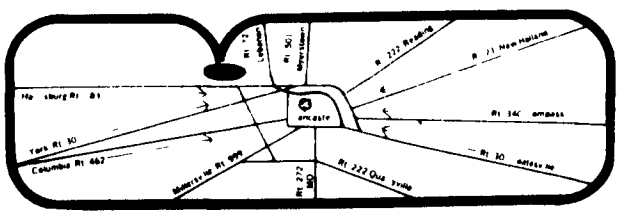

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Think of cost per unit, rather than cost per acre

ATLANTA, GA. – The business-minded farmer should become immediately cautious when he hears talk of "cutting costs." As in the old story about a wolf in sheep's clothing, the practice of "cutting costs" may actually be "cutting profits" in disguise, if lower yields are the result.

However, a growing number of farmers and advisors recognize that the biggest concern should be to reach a lower cost of producing each bushel or other crop unit, rather than the lowest cost per acre.

"This lower production cost per unit then provides a greater opportunity to market a crop at a profit," notes Dr. David Dibb, Vice President for Domestic Programs, Potash & Phosphate Institute (PPI).

He suggests looking at "profit-centers" in a farming operation to identify management practices with the greatest potential effect on yields and profits. This approach will help determine if capital inputs are being used efficiently, or if capital is limited, to determine where those limited resources should be applied.

Some of the most vital profit-centers in crop production are:

- Timeliness and precision of field operations;
- Quality seed of the highest genetic potential;
- Optimum fertilizer use and nutrient availability;
- Effective marketing strategy.

"Various estimates suggest that up to 50% or more of crop yield is attributable to sound fertilizer practices," Dr. Dibb explains. "This input often results in 200% of more return on investment when used appropriately."

Adequate fertility has been described by some agronomists as the "insurance" in a sound production program...and that's especially true in the less-than-perfect growing seasons. Most agree that insurance is important in difficult times. Yet, some now suggest that the farmer walk on thinner ice...cut back his fertilization program and then renew the adequate fertilization policy when times get better. Beware of accepting this cost-cutting advice too readily without seriously considering the potential effects on yields and net profits.

"Certainly, it would be foolish to spend scarce capital on unneeded fertilizer. By the same token, it would be disastrous to cut back on this profit-center which has provided a high percentage of total profits through the years," Dr. Dibb points out.

Dr. Fred Welch, Soil Fertility Specialist, University of Illinois, has stated: "It is not good economic sense to add large amounts of unneeded fertilizer–and even more unwise to suffer economic loss from too little fertilizer. Inadequate nutrition is too costly to afford. High profitable yields are impossible without good fertility."

A reliable soil test is a good starting point, but not the only information needed to make the best recommendation for fertilizer application. Soils information, management level, yield goal, plant population, past yield record, and other data should also be considered. A farmer's own observations, along with good records, help make sound recommendations.

With careful evaluation, farmers will find it is in their best interest to maintain an adequate fertility program for higher yields and top profits. Many, rather than cutting costs of this input, will find that continued investment in this profit-center is justified to increase profit potential and move them toward maximum economic yields.

"Be cautious of cost-cutting pronouncements that steal profits and move you further away from maximum economic yields," Dr. Dibb concludes.

Hughes receives award from PSU's Ag Council

UNIVERSITY PARK – Frederick A. Hughes, professor emeritus of farm management extension at the Pennsylvania State University, received the Penn State Agricultural Council Distinguished Service award at the Council's fall meeting.

Professor Hughes was honored for his significant contributions to Pennsylvania agriculture, which went far beyond his academic and professional commitments to the University.

During his 30 years in extension he developed many key educational programs in farm management. He counseled farm families and professionals in management, estate planning, partnerships, farm credit, and other aspects of rural living. He also represented the College of Agriculture for four years as a member of the University's Faculty Senate.

Among his many accomplishments have been a farm business analysis program for the Pennsylvania Farmers' Association and a Demonstration Farm program in established cooperation with the Tennessee Valley Authority. In addition he has been active in developing banking and legal programs for the farm community. Professor Hughes retired from Penn State in 1984 and has maintained an active professional schedule.

Frederick Hughes

Before joining Penn State, he earned his bachelor of science degree in agricultural education, a master of science in agricultural economics, both from Penn State, and was a farm management specialist at Ohio State University. He is a native of Ebensburg and now lives in State College.

The 65-member Ag Advisory Council, formed in 1961, represents agricultural and rural interests throughout the state. Members meet with faculty and administrators in the College of Agriculture to discuss research, education and extension programs. Their Distinguished Service Award is made only occasionally to recognize outstanding contributions to both Penn State and Pennsylvania agriculture.

Egg production stays level

HARRISBURG – Pennsylvania's October egg production totaled 422 million, nearly the same as October 1984, according to the Pennsylvania Crop and Livestock Reporting Service. The average number of layers on hand during October 1985 was 19.2 million compared with 18.3 million on hand a year ago. Egg production per 100 layers was 2,201 compared with 2,299 for October 1984.

U.S. laying flocks produced 5.76 billion eggs during October, down two percent from the 5.85 billion produced a year ago. The total number of layers during October averaged 278 million, one percent fewer than the 281 million a year ago. October egg production per 100 layers was 2,069 compared with 2,080 eggs for October 1984.

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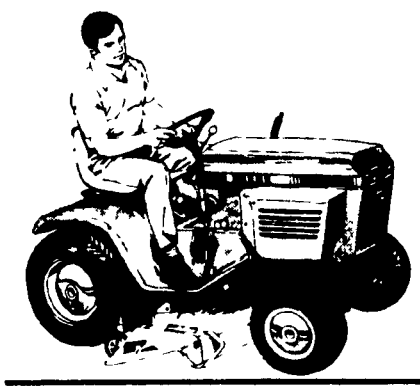

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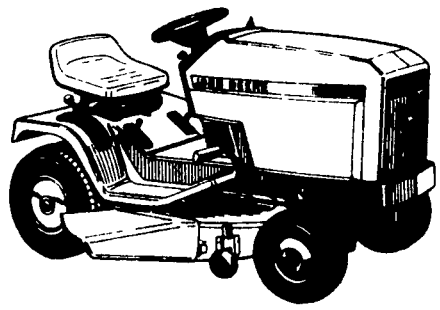

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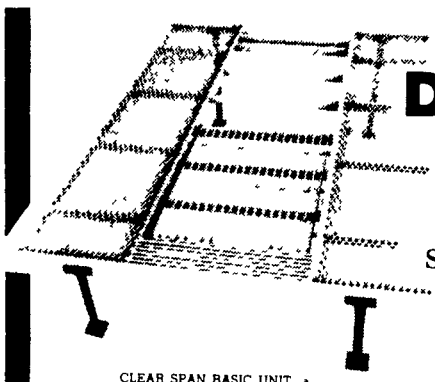

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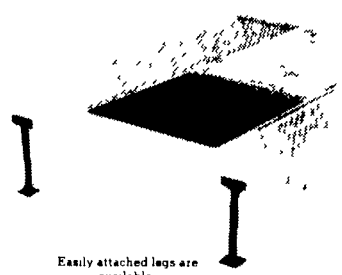

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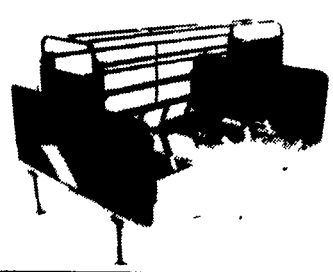

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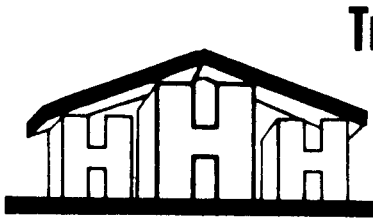

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Grad student at PSU wins nutrition award

UNIVERSITY PARK – Kimberly Ann Cassida, a graduate student in Nutrition at The Pennsylvania State University, received the Furst-McNess Scholarship Award, which is granted through the National Feed Ingredients Association. She was selected in national competition for her academic ability, research and leadership.

"She's a promising student and we feel very fortunate to have her in our program," says Lawrence D. Muller, professor of dairy science and Kim's faculty adviser. In addition to the Furst-McNess Award, Kim has received a tuition grant from the department of Dairy and Animal Science.

Kim, a straight-A student in her second year, is specializing in dairy nutrition. Her research on the evaluation of a dietary buffer in dairy cattle, examines the use of sodium sesquicarbonate, which copes with problems of stomach acid and which may increase butter fat content and milk production levels.

"I hope to finish my master's in another year or two and then plan to continue for a Ph.D. I would like to continue my work in dairy nutrition research, perhaps in the area of forage utilization," says Kim. She received a bachelor of science degree in animal science at the University of Maine at Orono where she was elected to Phi Kappa Phi honor society.

Last year, Kim was one of six to win a national Ralston Purina Fellowship. In addition to her studies, she has been active in the Penn State Graduate Student Association.

The graduate program in nutrition is offered jointly by the Colleges of Agriculture and Human Development.

Lawrence D. Muller, left, and Stanley J. Bruegger, right, congratulate Kim Cassida, on her receipt of the Furst-McNess Scholarship Award.

Red meat output up

HARRISBURG – Pennsylvania's commercial red meat production (dressed weight basis) during October totaled 90.0 million pounds, up seven percent from October 1984, according to the Pennsylvania Crop and Livestock Reporting Service.

Beef slaughter, at 117.7 million pounds, liveweight, was up 14 percent from October 1984. Total head slaughtered was 100,700, up nine percent, and liveweight averaged 1,168 pounds, an increase of 57 pounds. Veal slaughter was 4.9 million pounds liveweight, 11 percent above last year. Calf slaughter of 30,200 head was up 16 percent. The average liveweight decreased eight pounds to 163 pounds.

Hog slaughter, at 33.2 million pounds liveweight, was down 14 percent from a year earlier. Total head slaughtered was 142,700, down 12 percent; average liveweight decreased six pounds to 233 pounds. Lamb and mutton slaughter was 1.1 million pounds liveweight, down 31 percent. The number slaughtered was 10,600, down 35 percent. However, the average liveweight increased six pounds to 108 pounds.

U.S. commercial red meat production in October totaled 3.55 billion pounds, down three percent from October 1984. Comparing October 1985 with October 1984, beef production at 2.11 billion pounds was down three percent. Cattle kill at 3.24 million was down seven percent, while average liveweight increased 32 pounds to 1,104. Veal production, at 46 million pounds was unchanged from last year. Calf slaughter at 319 thousand head was up four percent, but average liveweight decreased four pounds to 244.

Pork production totaled 1.36 billion pounds, down four percent. Hog kill totaled 7.79 million head, down four percent, but average liveweight increased two pounds to 246 pounds. Lamb and mutton production, at 33 million pounds, was unchanged from last year. Slaughter totaled 571 thousand head, down six percent, while liveweight averaged 115 pounds, five pounds heavier than a year ago.

Dairy goat meeting

HONESDALE – A meeting of the Pennsylvania Mountains Dairy Goat Association will be held at 1 p.m. Saturday, Dec. 14, in the Grace Episcopal Church on Church Street, Honesdale.

The program will feature guest speaker Laurie Coburn, Montague, NJ, of the Janhareth herd. She will speak about the recent dairy goat convention which she attended. Refreshments will be served. All interested persons are invited to attend.

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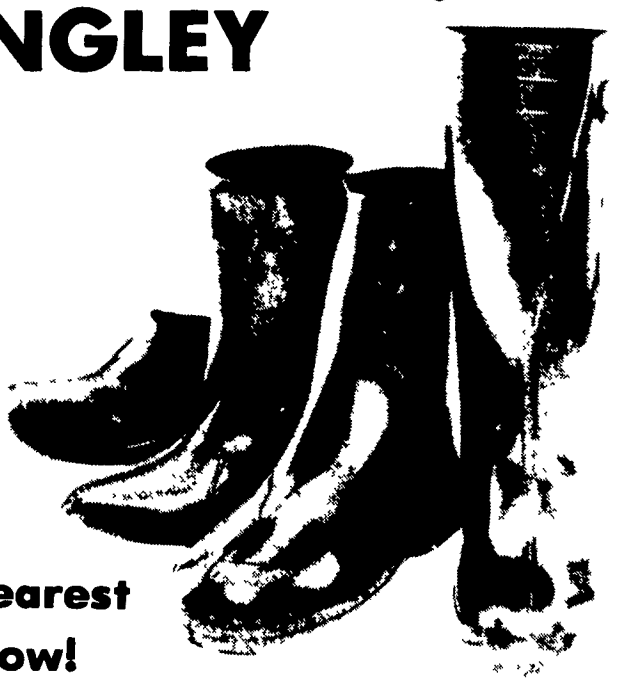

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USDA seeks comment on tobacco quotas

WASHINGTON — The U.S. Department of Agriculture is asking for public comment on proposals relating to national marketing quotas for the 1986 crops of Maryland and cigar filler tobaccos. Maryland and cigar filler (type 41) are grown principally in Maryland and Pennsylvania.

In Pennsylvania, type 41 tobacco is grown in the counties of Berks, Chester, Dauphin, Lancaster, Lebanon, Snyder and York. Lancaster leads the State with over 2,000 farms growing about 13,500 acres.

Everett Rank, Administrator of USDA's Agricultural Stabilization and Conservation Service (ASCS), said the law requires that quotas be announced for these kinds of tobaccos for the next three marketing years. Specific national marketing quotas for 1986 will be announced no later than February 1.

Within 30 days of the announcement, USDA will hold separate referenda to determine if producers want quotas for the next three marketing years, which begin October 1, 1986. If producers vote against quotas for their kind of tobacco, they will be ineligible for government loans on their crop, Rank said.

The last referenda for these types of tobacco were held in February-March of 1983, when producers disapproved of quotas.

Producers and others have until January 10, 1986 to send written comments to: Director, Analysis Division, USDA-ASCS, Room 3741-S, Box 2415, Washington, D.C. 20013.

MMI to meet Wednesday

STRONGSVILLE, OH. — The 1985 annual delegate meeting of Milk Marketing Inc. (MMI) is December 11, at The Fawcett Center for Tomorrow, The Ohio State University, Columbus, OH.

A review of the programs that put "MMI: On the Move" in 1985 will top the business agenda. MMI President Herman M. Brubaker will update delegates on MMI activities, the national dairy promotion and advertising campaign, and the legislative battles surrounding the 1985 Farm Bill. MMI General Manager Gordon Riehl will also report on the marketing of MMI milk.

Registration begins at 9:30 a.m. in The Fawcett Center for Tomorrow. The facility is located just north of The Ohio State University Stadium, at 2400 Olentangy River Road.

MMI is a 8,500 member dairy farmer owned cooperative encompassing an eight state midwestern area including Ohio, Indiana, Pennsylvania, Michigan, New York, Kentucky, Maryland and West Virginia. Last year MMI marketed more than 4.3 billion pounds or 500 million gallons of milk.

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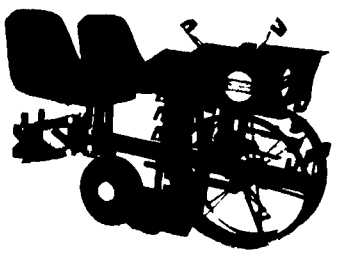

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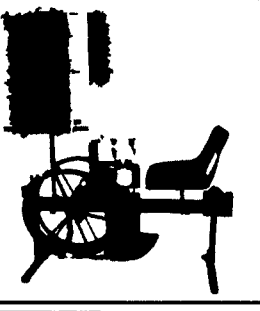

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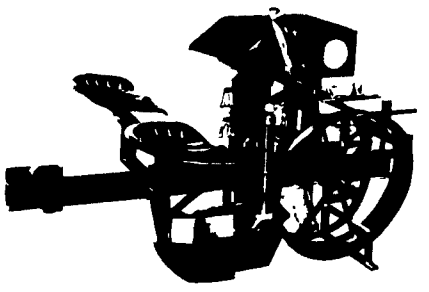

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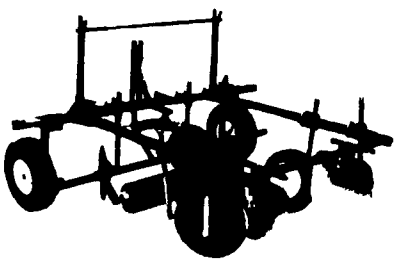

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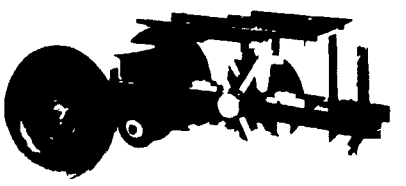

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Dairy promotion vote

(Continued from Page A1)

the PDPP effort, which also supports county milk promotions as well as the Pennsylvania Dairy Princess Program.

Other dairy promotion agencies who have been "qualified" by USDA to receive promotion assessment funds in Pennsylvania are Inter-State Milk Producers Cooperative and Atlantic Dairy Association, both in Southampton.

Other choices for Order 4 dairymen include the New Jersey Dairy Industry Advisory Council and the South Jersey Dairy Industry Advisory Council, both located in Trenton, NJ; the Dairy Food and Nutrition Council, Inc., in Cedar Knolls, NJ; the Dairy Council of Greater Metropolitan Washington, Inc., in Bethesda, MD; and the Dairy Council of Upper Chesapeake Bay, Inc., in Towson.

Dairymen in other areas have different rules to abide by. Order 36 dairymen will have their opportunity to choose in June, while Order 2 dairymen may change their support anytime, simply by notifying their handler.

Order 4 dairymen who wish to state a preference for their promotion program should write a letter to Shine at the following address: P.O. Box 710, Alexandria, VA 22313. The letter must be received at the Order 4 office by Dec. 15.

Glen Rock 4-H

Jimmy Townsend of Brodbecks was recently honored as the outstanding member of the Glen Rock 4-H Club.

Other winners at the club's achievement banquet were Gail Rishel, beef; Denise Duryea, candymaking; Christine Lentz, candlemaking; Melanie Amspacher, advanced candlemaking; Joann Rishel, beginning clothing; and Michelle Amspacher, advanced clothing.

Other award winners were Amy Berlin, entomology; Joshua Berlin, foods; David Lentz, forestry; Shawn Beard, swine; and Nancy Townsend, vet science.

All members who completed projects received completion pins and certificates.

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Ral Estate consists of 57.6 acres of land. 20 acres tillable and in high state of cultivation; remainder pasture & woodland w/some large timber. 1700 ft. of road frontage on Beaver Dam Rd. and 281 ft. on Birdell Rd. Deed Reference: B-61, Pg. 105, Chester Co. Records. TERMS: 10% day of sale; settlement by Jan. 21, 1986.

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DECEMBER

SAT. DEC. 14 - 9:30AM Hshld., Farm Mach. Located along Snyder Rd. off Rt. 616 between Glen Rock & Seven Valleys or off Shaffer Church Rd. Estate of Dorothy Spiece and Estate of Clair Myers. Charles & Scott Wehrly, Aucts.

SAT. DEC. 14 - 9:30AM Valuable Real Estate, Hshld., Antiques, Guns, Vehicles, Quilts, Coins. Located Lanc. Co., PA, 2 mis. N. of Bird-in-Hand. From Rt. 340 go N. at RR underpass to Gibbons Rd. right. Estate of Erwin J. Miller. Steve Petersheim & Steve, Jr., Aucts.

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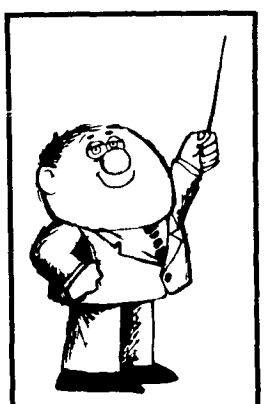

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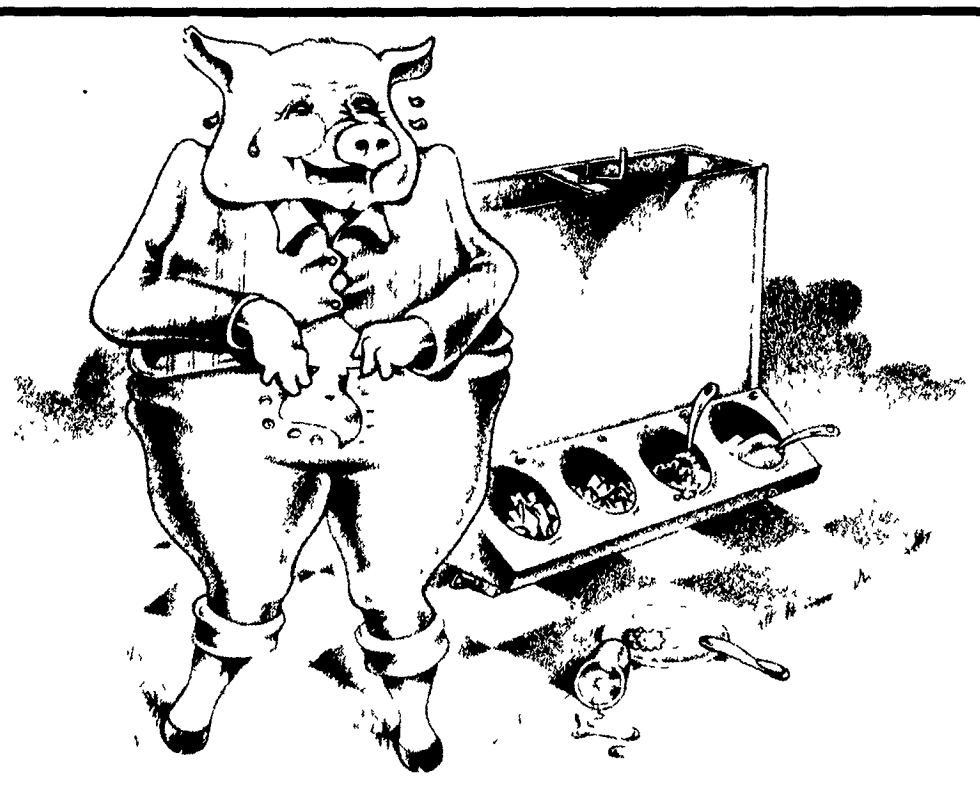

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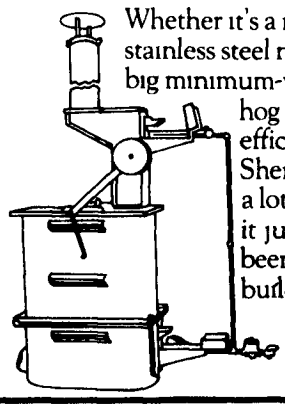

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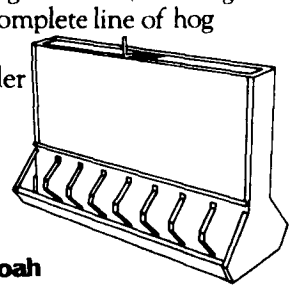

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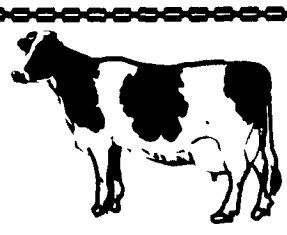

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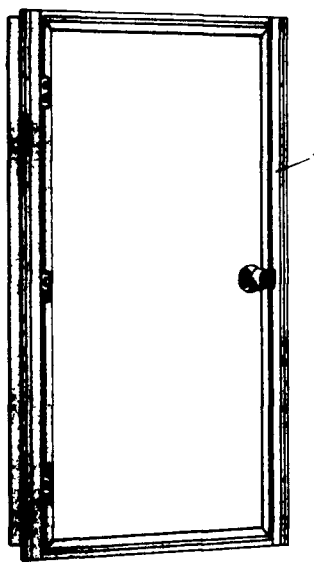

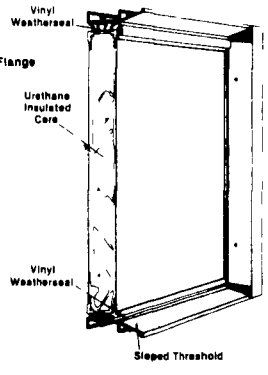

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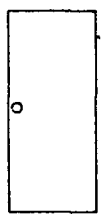

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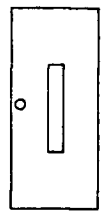

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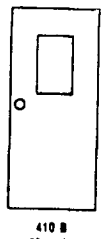

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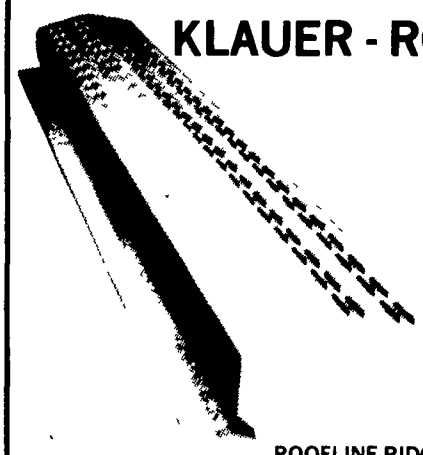

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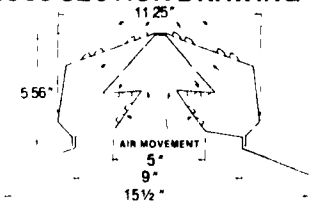

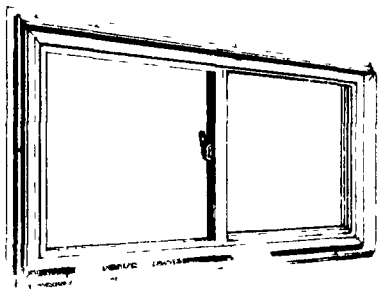

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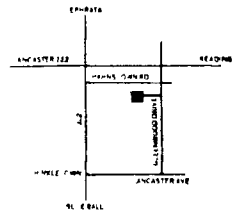

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Gingerbread house makers create fantasy village for Hershey Museum

BY SALLY BAIR
Staff Correspondent

HERSHEY – Gingerbread house making should be a family project according to Kristen Dubbel, who with her finance, Christian Haanaes, created a "Gingerbread Fantasy Land" for the Hershey Museum of American Life. She says it is also a great project for people with a sweet tooth.

The gingerbread fantasy village now on display at the museum consists of both a country scene and a small town. The largest structure in the village is a church, created to look like a small cathedral, measuring nearly three feet wide and almost four feet tall. The other buildings are built to the same scale. The main street of this village features Bavarian style townhouses, including a town clock tower and a "rathouse," or town hall.

A barn, a large house, pond, and sleigh are featured in the rural part of the scene, and dominating one corner is a carefully reconstructed train station and train, common to European countrysides.

The entire scene is made of edible gingerbread, mounds of Royal Frosting and pounds of delicious candies. Because of the large size of the buildings, the professional chefs did support the interiors to keep them intact for the duration of the show, which runs until December 31.

In a demonstration at the museum, Kristin, now employed as food service manager at the Altoona Campus of The Pennsylvania State University, shared many of the secrets of the art of making gingerbread houses. She stressed throughout that the project should be fun, and an occasion for the family to be creative together.

Perhaps the most important part is constructing a pattern, which can be made from thin cardboard. For the large village they created, these chefs did pencil drawings, then made patterns to follow.

Kristin said that almost any gingerbread recipe will do, and suggested that the gingerbread be mixed up, then refrigerated for several hours before being rolled out.

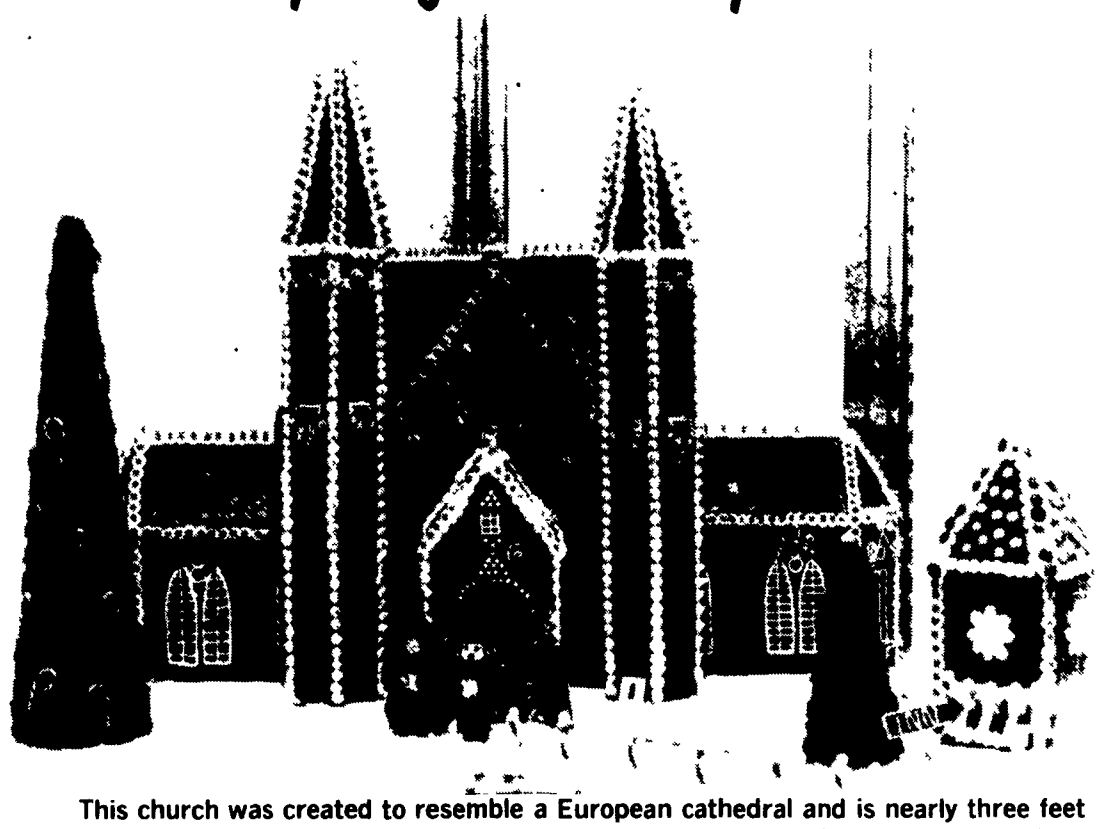
When rolling, Kristin said they like to roll it on oiled parchment paper. The pattern is then traced from the dough, and excess dough must be cut away before baking. To create interesting texture on their houses, Kristin said she and Christian roll bits of dough into shapes and add it to the walls before baking. The finished product then has decorative designs around the doors and windows.

For another interesting effect, they brushed an egg white glaze onto the dough before baking, which makes the finished product almost resemble wood. Pieces of the buildings are baked for 15 minutes at 350°F.

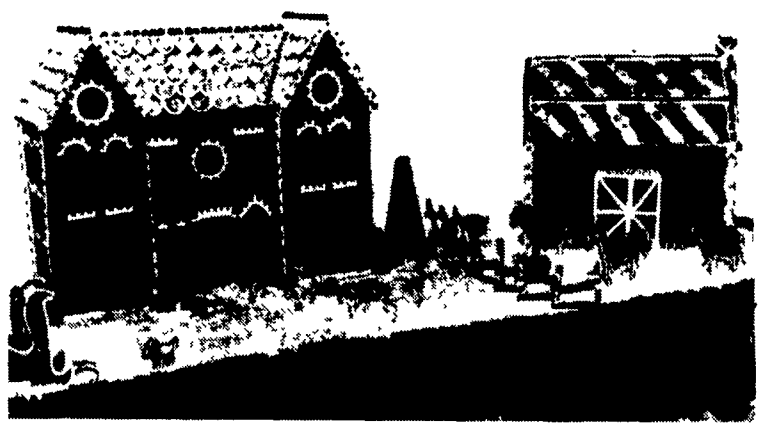
The individual building pieces should be allowed to dry before being assembled, and Kristin recommended that they be stored in an airtight container for one or two days.

She remarked that she likes to add candy and frosting decorations on the walls before assembling the house. Since it should be seen as a family project, Kristin recommends that each child be given a wall to work on – it keeps the building unique!

The "glue" that holds the buildings together is simply Royal Frosting made from confectioners sugar, egg whites and water. Kristin said they add some cocoa to the white icing to make it brown, and therefore less noticeable where the buildings are joined.

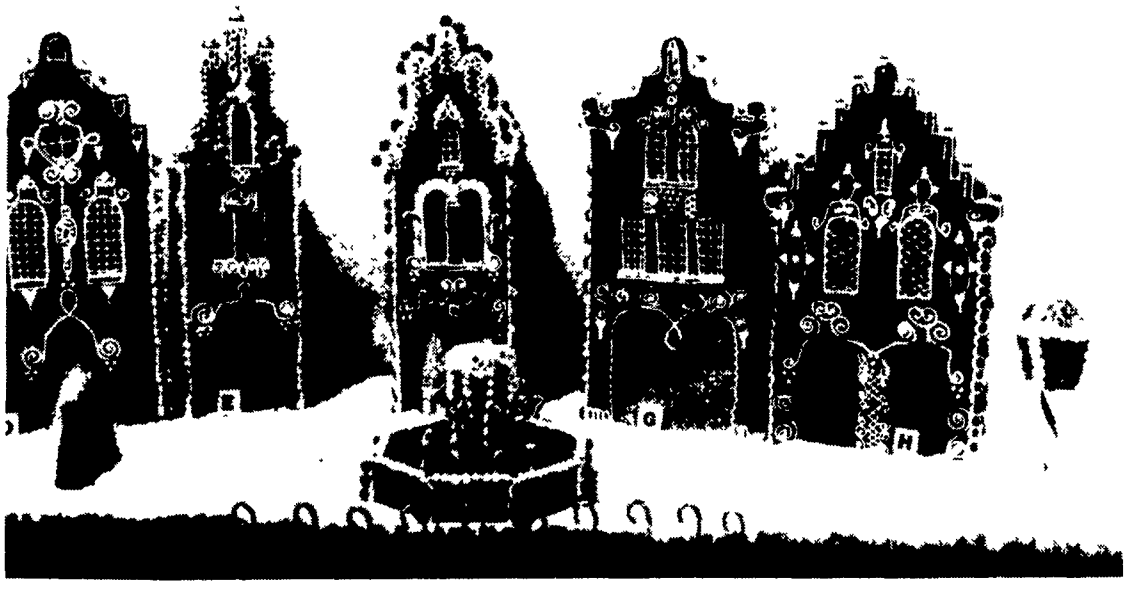


This church was created to resemble a European cathedral and is nearly three feet wide and four feet tall. It is a part of a village scene constructed by professional chefs Kristen Dubbel and Christian Haanaes at the Hershey Museum.



A barn and a manor house dominate the county scene created in gingerbread at the Hershey Museum. A few farm animals are grazing in a field near the barn.

Fascinated visitors to the Hershey Museum of American Life watch as Kristin Dubbel demonstrates the fine techniques of assembling a gingerbread house.



Barvarian-style townhouses fill the main street of this quaint, charming village made of gingerbread. Intricate designs make the houses very realistic.

For stability, she said a piece of one inch Styrofoam can be cut to fit the inside dimensions, and the house can be "glued" directly to that base.

Kristin said, "Let your imagination run wild when decorating." She pointed out that the Royal Frosting becomes as hard as a rock and "once things are dried they will not fall apart." She noted that the icing will cover up any mistakes made while working.

While she suggests purchasing a plastic bag for doing the "piping" on the walls, she said there is only a need for one simple tip. She adds, "You don't need to put a lot of money into it."

For the average home gingerbread house maker, Kristin says that about five pounds of dough will make a nice house and cookies. For the village created in Hershey, they used considerably more.

Kristin and Christian baked the walls and roofs for the buildings in Altoona and transported them to Hershey for the actual construction.

Since both of them continued working at their regular jobs, the baking took place after working hours until three in the morning for a week prior to coming to Hershey.

Once in Hershey, they worked nine-hour days, with the help of willing museum volunteers. Kristin said of the valuable volunteers, "They all wanted 'hands on' experience."

The biggest enemy of the whole job was not the transporting from the middle of the state, but the constant dreary, rainy weather experienced in central Pennsylvania over the last week. Humidity is a formidable foe of gingerbread, causing it to soften and weaken; hence the need for strong supports in the large houses. Despite the constant rain, the village was constructed on schedule.

They estimate that 200 man-hours went into the construction of the village. They used 135 pounds of confectioners sugar in the icing, plus candy canes, candy corn, red licorice bits, 15 pounds of lollipops, Hershey kisses and other candy. Even shredded wheat cereal was used for thatched roof on one of the farm buildings.

The effect of their labor is stunning, and a delight for both the young and old. The detail makes the village seem almost real.

Kristin became interested in doing gingerbread houses when she was a senior in high school, and

(Turn to Page B4)

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Ida's Notebook

Ida Risser

I'm wondering if other people lose things and then simply cannot find them. Now I don't mean to mislay something and spend a few minutes looking for it. What I mean is a more permanent loss of an item that you really need. It couldn't be old age creeping up, now could it?

Just this morning, I found an item that was lost for weeks. It was a card from a bank which gave me an identifying number. You know that to many people and organizations, we are just a number. At one time our Social Security number was one of the few numbers that we were expected to remember. However, now the list is endless as computers keep records of our dealings.

Last winter I started a scrapbook of newspaper articles and for the last nine months I haven't been able to locate it. Yes, I have lots of scrapbooks. Some were put together by an uncle and contain old maps, Confederate money and tax receipts. Then I have postcard albums that I put together from some of my mother's correspondence. And, there are photograph books by the dozen. But nowhere can I find the one book that I want.

Then there is the missing dress. Yes, that is correct — my good winter dress is hiding somewhere in a garment bag or in a closet. Now, I'm sure that I didn't undress in someone else's house. So, surely I will come across it soon, I hope.

Maybe the problem is caused by our accumulating so many things over the years. It appears that some of them simply fall between the cracks.

Del. Christmas Tree Growers offer free directory

DOVER, Del. — The 1985 Christmas season is just around the corner and it's already time to begin thinking about choosing that perfect Christmas tree for your home, according to the Delaware Christmas Tree Growers Association.

The association, in cooperation with the Delaware Department of Agriculture, has released its first ever Delaware Christmas Tree Directory. The directory lists 13 members of the association and offers information on both retailers and wholesalers of Christmas trees.

Directions on how to find tree farms where you and your family can choose and cut your own tree are included, as are listings of farms that sell wreaths, greens and garland.

The Christmas Tree Growers Association has also prepared a checklist for families on how to choose and care for a live tree. The directory concludes with a coded map identifying members farms.

Christmas trees, like people, come in a variety of shapes and sizes and even shades of color. That's probably why choose and cut tree farms are growing in popularity. More and more people are also discovering the joy of replanting their Christmas tree after the holidays to enjoy all year round.

Regardless of its shape and size, the best Christmas tree is a fresh Christmas tree. Fresh trees are not only safer, they are prettier and easier to care for. By purchasing a Delaware grown Christmas tree, consumérs can be assured the tree has not been harvested several months earlier and shipped hundreds of miles.

The Delaware Christmas Tree Directory is available free of charge by sending a self-addressed, stamped envelope to: Christmas Tree Directory, Delaware Department of Agriculture, 2320 S. DuPont Highway, Dover, DE 19901.

Gingerbread Village

(Continued from Page B2)

remembers having to support her first efforts with cardboard to keep them from collapsing. She continued doing them as a relief from final exams in college.

Her fiance, a native of Norway and trained as a professional chef there, made his first gingerbread house for his nieces He filled the house with candy so that it had to be broken to eat what was inside.

Although Kristin gives suggestions for preserving the gingerbread structures, she said it is her preference to eat it or throw it away rather than store it. "I try to do something different every year, and normally it gets eaten before it gets pitched."

She also says she doesn't do gingerbread at any time of the year but Christmas.

For those inclined to keep a house from one year to the next, Kristin says the important thing is to keep it in a room with constant temperature and humidity. It can be shellacked, although then it can never be eaten.

The audience was fascinated when she related that the spice ginger was first used for medicinal purposes, and it was believed to take care of temperamental problems. In medievel times it was believed that if ginger was mixed with honey it would cure the plague.

The idea of a gingerbread house apparently did not come into common usage until the 19th century when the Brothers Grimm wrote their famous fairy tale about Hansel and Gretel. After that, Kristin, relates, "The Germans became very good with gingerbread."

Although she had never tackled anything quite as elaborate as the village at Hershey, Kristin found it challenging and exciting to create it. And it will not just be eaten or destroyed when the holidays are over. The individual structures will be auctioned to the public through a silent auction. Monies realized from the auction will go to a special project of the museum.

Successful bidders will be allowed to pick up their treasures after Jan. 1. The museum is also sponsoring a Gingerbread House contest for grown-ups and children, with entries being accepted from 10 a.m. to 5 p.m. on Dec. 14 and 10 a.m. to 3 p.m. on Dec. 15. There is a $2 entry fee per house, and prizes will be awarded in both adult and children categories.

For Kristin and Christian, the successful completion of the village was a personal challenge. For the general public, the creation of the village is an artistic delight, and sets the tone for a fantasy holiday.

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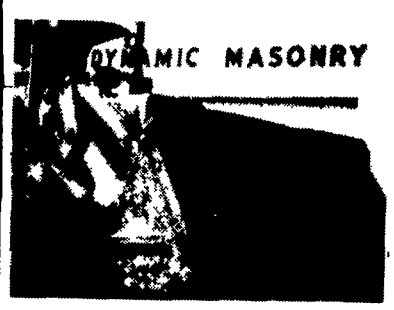

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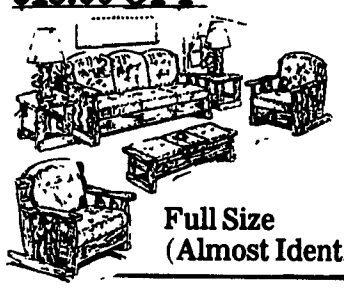

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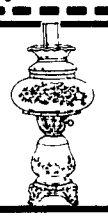

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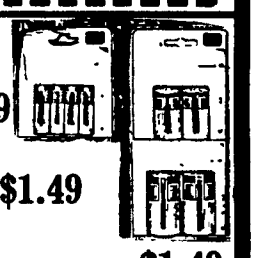

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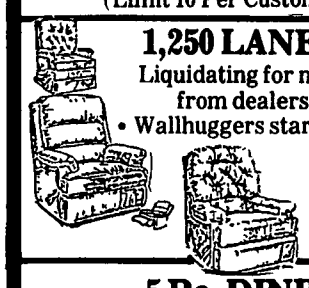

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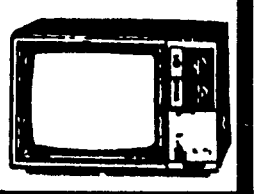

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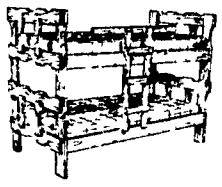

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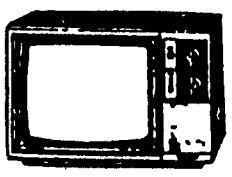

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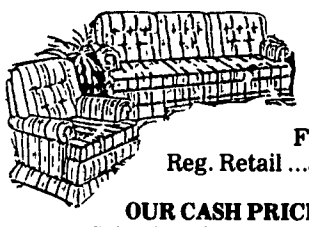

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On being a farm wife -And other hazards

Joyce Bupp

Maybe it was the mystery of the gray bird which hangs out around the garden each summer. Or the stunning boldness of a bright blue flash, as the jays divebomb from the maple trees to snag some bit of kitchen discard from the field compost pile. Perhaps it was intrigue with the insistent sparrows who doggedly find ways to nest in the back porch ceiling, in spite of our endless efforts to thwart a buildup of the residue that comes with sharing a building with birds.

Most likely it was the appearance of The Incredible Hawk that wove together these passing bits of interest into a purposeful pursuit.

Incredible is a red-tailed hawk, one of the most common types found in this locale of field, pasture and scattered woodland patchwork. He (she? it?) was hatched and raised in a sturdy nest, high in one of the tall, old trees in the dry cow lot.

For some time, we would spot what we believed was the pair of hawk siblings cruising over the farm's contours, circling, dipping, finally floating off to rest in a bare-limbed tree on the distant hill above Grandpa's farm.

Fascination with the hawks spurred an interest in the lovely feathered neighbors who share this piece of rolling farmland. Last year's holiday gift of lightweight field glasses and the acquisition of a few bird identification books, could ultimately prove life threatening. I have found myself stopping dead in the middle of backroads when an intriguing bird form shaped a silhouette against the sky.

The meadow and small adjoining wooded lot, where the bred heifers spend their leisure, forms a perfect sort of birdlife sanctuary. It's blessed with protective fencerows, a gurgling creek that bubbles up at its origin in a spring below the house and the surrounding fields of grain residue, insects and grubs, and lingering weed seeds.

In the farthest fencerow live the cardinals, thriving in thickets tangled with vining honeysuckle and bittersweet. Why did nature splash cardinal fellows with brilliant red? Was it to dazzle his enemies away, while his lady love stays safely hidden in her rusty-gray suit?

At the other corner of the angled fencerow are the favorite haunts of a somber gray bird that flashes white as it wings off. Perhaps it is the same mockingbird that taunts the cats from the tallest post at the end of the garden. Certainly this bird isn't the fearful type–it's possible to sneak up near the favored perch to within six or eight feet, before the gray disappears in a flutter.

Hanging from the sides of the oaks in the woods are comical, zebra-striped characters. Males of these hairy woodpecker type wear a bright red beany behind their heads. Circling upward, curling around limbs in search of fat bark bugs, they always remind me of stripes on a turning barber pole.

Then there are chickadees, little black-capped guys who defy the laws of gravity and hand upside down on the tiniest twigs. Nuthatches who walk down the sides of trees. And the large red-headed woodpeckers who flit from tree to tree, looking as if they escaped the team still wearing a red football helmet.

"Well, we know where Mom'll be this afternoon," I can expect a voice to tease early on pleasant Sunday afternoons. "Out watching her birdies."

Go ahead. Call me a birdbrain. See if I care.

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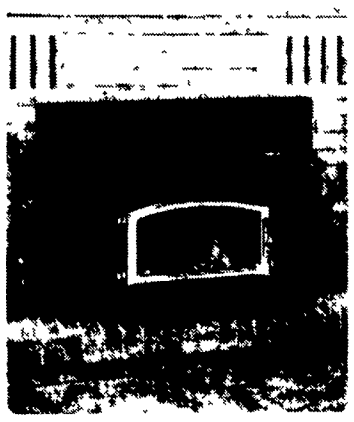

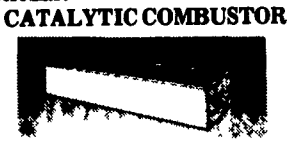

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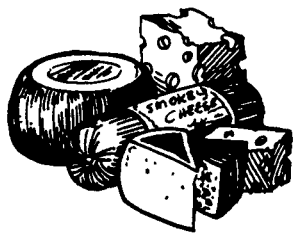
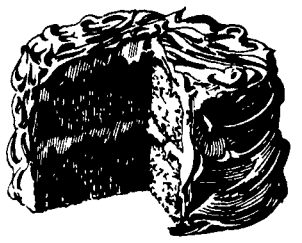


Home On The Range



It's time to start your holiday baking

For kids the passing of Thanksgiving means a daily look at the calendar to see how many days until Santa arrives. But for busy homemakers, the time between turkey day and Christmas means a kitchen filled with the aroma of freshly baked holiday cookies.

If you like to get an early start on your holiday baking, you'll want to be sure to store your goodies properly so they'll taste oven-fresh when you serve them.

To do this, make sure you cool your cookies completely before storing them. Do not even stack cookies until they are cool. Your choice of container for storage will depend on whether the cookies are soft or crisp. Store soft cookies in containers with tight-fitting lids and crisp cookies in containers with loose-fitting covers. Do not store crisp and soft cookies together.

If your crisp cookies go limp, put them on a baking sheet in a 325°F. oven for three to five minutes. To save soft cookies that have dried out, just put a slice of apple or bread in the container and close tightly.

HONEY ALMOND BARS

1 cup all-purpose flour
½ cup butter, slightly softened
½ cup firmly packed brown sugar
⅓ cup honey
2 eggs
1 teaspoon vanilla extract
½ teaspoon salt
½ teaspoon baking soda
½ teaspoon cinnamon
½ teaspoon nutmeg
⅔ cup toasted chopped almonds
Red and green candied cherries if desired

Preheat oven to 375°F. Combine all ingredients, except nuts, in large mixer bowl. Blend at medium speed until well mixed, about 2 minutes, scraping sides of bowl occasionally. Stir in nuts. Spread batter in well-buttered 9-inch square pan. Bake 20 to 25 minutes or until wooden pick inserted in center comes out clean. Cool completely in pan on wire rack. Cut into squares. Decorate each with red and green candied cherries.

COCONUT DROP COOKIES

3 cups coconut
⅔ cup (½ can) sweetened condensed milk
1 teaspoon vanilla
Candied cherries

Mix first three ingredients. Drop on well-greased cookie sheet and top with half a candied cherry. Bake at 350°F. until slightly browned.

Betty Biehl
Mertztown

PEANUT BUTTER BROWNIES

½ cup butter
2 ounces unsweetened chocolate
⅔ cup sugar
2 eggs
½ cup all-purpose flour
½ teaspoon baking powder
¼ teaspoon salt
1 cup coarsely chopped peanut butter cups, divided
1 teaspoon vanilla extract

Preheat oven to 350°F. Place butter and chocolate in medium-sized heavy saucepan. Cook over low heat until both are melted. Remove from heat. Stir in sugar. Beat in eggs, one at a time, beating well after each addition. Beat in dry ingredients until well blended.

Stir in ½ cup peanut butter cups and vanilla. Spread batter evenly in well-buttered 9-inch square pan. Bake 25 to 30 minutes or until wooden pick inserted in center comes out clean. Remove from oven and sprinkle with remaining ½ cup peanut butter cups. Return to oven 2 to 3 minutes or until cups are soft. Spread over top of brownies. (Some of the peanut butter does not melt completely.) Cool completely in pan on wire rack. Cut into squares before serving.

MOLASSES COOKIES

Heat the following four ingredients to boiling point and mix well:
½ cup molasses
¼ cup sugar
3 tablespoons vegetable shortening
1 tablespoon milk

Mix and sift together:
2 cups flour
½ teaspoon baking soda
½ teaspoon salt
½ teaspoon cloves
½ teaspoon cinnamon
1 teaspoon nutmeg

Add sifted dry ingredients to first mixture. Shape into mold like a jelly roll. Wrap in waxed paper and chill. Cut in slices and bake at 375°F. for about 8 minutes.

Geraldine Moyer
Pen Argyl

SUGAR COOKIES

2 cups shortening
4 cups light brown sugar
¾ cup sugar
6 eggs, beaten
2 cups buttermilk
4 teaspoons baking soda
1 teaspoon salt
8 cups flour (about)
Juice of 2 lemons or 2 teaspoons vanilla

Combine shortening, brown and granulated sugars; mix well. Add eggs. Alternate flour and milk. Add soda, salt, lemon or vanilla flavoring.

Drop onto cookie sheets and bake at 350°F. about 12 minutes. Makes about 10 dozen cookies.

N. Landis
Lancaster

MARZIPAN COOKIES

1 cup butter, softened
½ cup sugar
2½ cups flour
1 teaspoon almond flavor
Food coloring

Cream butter and sugar. Stir in flour and almond flavor until mix resembles meal. Divide into equal parts and color with food color according to your preference. Shape, chill ½ hour and bake at 300°F. for 30 minutes.

Use red dough to make apples and strawberries. For apples, use cloves for stem and blossom end. For strawberries, roll in red sugar.

Use yellow dough to make pears. Use cloves for stem and blossom. Blush pear with undiluted red color.

Use orange dough to make apricots; use clove for stem. Crease down one side with toothpick and brush with red color.

MAGIC COOKIE BARS

1½ cups corn flake or graham cracker crumbs
3 tablespoons sugar
½ cup butter, melted
1 cup coarsely chopped walnuts
1 cup (6 ounces) semi-sweet chocolate morsels
1⅓ cups coconut
1 can sweetened condensed milk

Measure crumbs, sugar and butter into 13x9x2-inch baking pan and mix thoroughly. Press mixture evenly and firmly in bottom of pan to form crust. Sprinkle in even layers over crust first walnuts, then chocolate morsels, then coconut. Pour condensed milk over layer of coconut. Bake in 350°F. oven about 25 minutes or until lightly browned at edges. Cool and cut into bars.

Betty Biehl
Mertztown

TWO-WAY SHORTBREAD COOKIES

1 cup butter
½ cup confectioners sugar
1 teaspoon vanilla extract
2 cups all-purpose flour
2 tablespoons milk
2 ounces semi-sweet chocolate
Colored cookie decorates
Pecan meats, halved

Preheat oven to 325°F. Beat butter in large mixer bowl until creamy. Beat in sugar and vanilla until light and fluffy. Gradually mix in flour. Divide dough in half. Chill half, wrapped in plastic wrap, about 30 minutes. Place other half in small mixer bowl. Add milk and mix well. Place dough in pastry tube fitted with large star tip. Pipe dough into 2-inch paper muffin cups, forming rosettes. Bake on cookie sheets 25 to 30 minutes, or until just beginning to brown. Cool completely on wire racks. Drizzle melted semi-sweet chocolate over top. Sprinkle colored cookie decorettes over each. Roll chilled half of dough on lightly floured surface to ¼-inch thickness. Cut with floured cookie cutters. Bake on unbuttered cookie sheets 15 to 20 minutes or until just beginning to brown. Cool completely on wire racks. Drizzle with melted semi-sweet chocolate or place small amount of chocolate in center of cookie. Place pecan half over chocolate.

Serve colorful--and tasty--holiday cookies to your family and guests.

CHOCOLATE PEANUT BUTTONS

½ cup butter, softened
1 cup sugar
1 egg
¾ cup creamy peanut butter
½ teaspoon vanilla
2 cups all-purpose flour
½ teaspoon baking soda
½ teaspoon salt
4 ounces semi-sweet chocolate, melted
¼ cup chopped salted or unsalted peanuts

Cream together butter and sugar until light and fluffy. Beat in egg, peanut butter and vanilla. Thoroughly blend flour, baking soda and salt. Gradually add to creamed mixture. Beat until well mixed. Form into 1-inch balls. Place on greased baking sheet 2 inches apart. Using bottom of glass, flatten into 2-inch circles. Bake at 375°F. for 15 minutes or until golden. Remove from baking sheets and cool. Spread about ½ teaspoon melted chocolate on each cookie. Sprinkle with chopped peanuts.

OATMEAL CRISPIES

Thoroughly cream 1 cup shortening, 1 cup brown sugar and 1 cup white sugar. Add 2 beaten eggs and 1 teaspoon vanilla or black walnut flavoring. Beat well. Add 2 cups flour sifted with 1 teaspoon salt and 1 teaspoon soda. Add 2½ cups quick cooking oatmeal and ¾ cup chopped walnuts and mix well. Form into long rolls. Chill thoroughly. Slice ¼ inch thick. Bake on ungreased cookie sheet at 350°F. for 10 minutes.

Mrs. Ray A. Keeny
New Freedom

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Sue Keene, Lancaster Farming, P.O. Box 366, Lititz, PA 17543

December	
14	Holiday Desserts
21	Treats for Christmas Carolers
28	Cooking for a Crowd

Featured recipes

If you have enjoyed making gingerbread cookies for your children in the past, why not try a slightly more ambitious gingerbread project this year? A gingerbread house—or church, or train station—will make a cheerful addition to your other holiday decorations and will provide a fun activity the whole family can enjoy.

To learn more about gingerbread house making, turn to the story about the gingerbread village on display at the Hershey museum on page B2. Below are recipes for the bread and icing you will need to construct your project.

Gingerbread

2 cups brown sugar
1 pound margarine
2½ cups molasses
6 eggs
8 cups flour
2 tablespoons soda
2 teaspoons salt
1 teaspoon each allspice, cinnamon, cloves and ginger

Cream shortening, sugar and eggs together. Add molasses and mix well, then add dry ingredients. Refrigerate a few hours before rolling. Cut out house pieces and bake at 350°F. for about 10 minutes. This recipe makes enough for 2 large houses.

Royal Frosting

1 pound powdered sugar
3 tablespoons meringue powder
¼ teaspoon cream of tartar
½ cup hot tap water

Mix together meringue powder, sugar and cream of tartar, then add tap water. Beat at high speed approximately 8 minutes or until icing holds stiff peaks.

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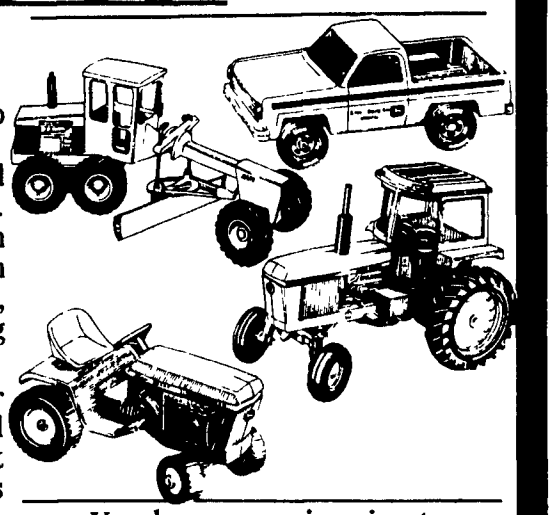
Stop in and see the big Christmas collection. You're in for some surprises, because John Deere's got a whole lot in Santa's bag.



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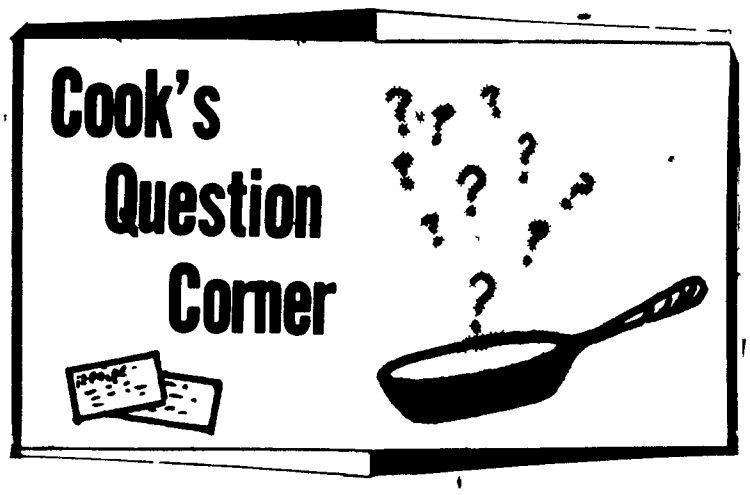

If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION - Joanne Heeres, Stewartsville, N J , would like recipes for cookies that use almond paste

QUESTION - Mrs. Hank Velkoff, Warriors Mark, would like a recipe for butter cake like Danish bakeries sell It has a thin melted buttery topping.

ANSWER - Jean Entriken, West Chester, requested a recipe for scalloped potatoes to serve 25 people Thanks go to Bob Downey, Street, Md., for sharing the following recipe, which, he says, makes 64 half-cup servings, but works equally well if it is doubled or halved.

Bob's Easy Scalloped Potatoes

1½ cups butter
1 envelope onion salad dressing mix
10 pounds potatoes, thinly sliced
¼ cup butter
1½ cups unsifted flour
1 tablespoon salt
3 quarts milk
1 cup dry bread crumbs

Melt 1½ cups butter in a large saucepan Stir in flour, salad dressing mix and salt Cook until mixture bubbles Then add milk all at once; beat to blend thoroughly Cook and stir until mixture boils and thickens Be careful not to scorch milk on bottom of pan.

Layer potatoes and sauce in greased shallow baking pans, ending with sauce Saute crumbs in ¼ cup of butter until golden brown Sprinkle over potatoes Bake at 350° F. for 1½ hours or until potatoes are tender

Plan Ahead Tips: This recipe may be halved to make 32 half-cup portions. Halve all ingredients, using 1 tablespoon salad dressing mix or to taste. (Stir the mix in the envelope before you measure.) To ease last minute preparations, prepare the sauce a day or two in advance, cool quickly and refrigerate. Potatoes may be sliced a day in advance, placed in a large pan, covered with cold water, and refrigerated. Crumbs may also be sauted in advance, cover and refrigerate. Reheat sauce and drain potatoes thoroughly before layering.

To make Au Gratin Potatoes: Prepare as for scalloped potatoes, adding 1 pound grated sharp cheddar cheese to the hot thickened sauce and continue heating just until cheese is melted. Omit crumb mixture and sprinkle another ½ pound grated sharp cheddar cheese and paprika over potatoes before baking.

ANSWER - Grace A. Brown, Mickleton, N.J., asked for a recipe for cheese strata A search though Lancaster Farming's recipe files unearthed this recipe from Mrs William Howerter, Kempton.

Cheese Strata

12 slices white bread
3½ cups milk
½ teaspoon salt
¼ teaspoon dry mustard
2 cups diced ham
6 slightly beaten eggs
¼ pound cheese,
1 10-ounce package chopped broccoli, cooked and drained
¾ pound sharp cheese, sliced
2 tablespoons minced onion, shredded

Cut 12 circles from bread; set aside Fit the scraps of bread, crust removed, in bottom of 13x9x2-inch baking dish Place cheese in a layer over bread Add a layer of broccoli, then ham Arrange bread circles on top Combine remaining ingredients and pour over top Cover and refrigerate at least 6 hours or overnight Bake uncovered in a slow oven (325°F) for 55 minutes Sprinkle with shredded cheese during last five minutes Let stand 10 minutes to firm before serving.

Serve with raw mushroom and spinach salad

Christmas cookies

(Continued from Page B6)

GOOD COOKIES

2 cups white sugar
2 cups brown sugar
1⅓ cups butter or lard
2 eggs
2 cups sour milk
2 teaspoons soda
2 teaspoons nutmeg
10 cups flour

Cream sugars and shortening. Add eggs. Beat smooth. Sift the 3 dry ingredients together. Add alternately with sour milk. Roll, cut, and bake at 400°F. for 10 to 12 minutes.

Shirley A. Keeny
New Freedom

CHOCOLATE MACAROON TOPPERS

Coconut part:
1 egg, separated
1 tablespoon water
½ cup sugar
1 teaspoon vanilla
2 cups coconut

Dough:
½ cup butter
½ cup firmly packed brown sugar
¼ teaspoon salt
1½ cups sifted flour
6 ounces chocolate bits

For coconut part, beat egg whites with water until soft mound forms. Slowly beat in sugar; add ½ teaspoon vanilla. Stir in coconut and set aside.

For dough: cream butter; add brown sugar and cream. Blend in egg yolk, rest of vanilla and salt. Beat. Then add flour mix. Put dough on ungreased cookie sheets and put the coconut part on top. Top with chocolate or butterscotch bits.

Sarah Glick
Leola

OATMEAL CARROT COOKIES

¼ cup shortening
¾ cup brown sugar, packed
¼ cup water
2 eggs
1 cup peanut butter
1 teaspoon vanilla
1 cup grated carrot
1 cup flour
½ teaspoon baking soda
½ teaspoon salt
3 cups rolled oats, quick cooking

Preheat oven to 375°F. Cream shortening and sugar. Blend in water, eggs, peanut butter, vanilla, and carrot. Sift flour, soda and salt together and stir into other ingredients. Stir in oats until completely moistened. Roll dough into 1-inch diameter balls and place on greased baking sheet. Press balls flat with fork. Bake 10 to 12 minutes. Makes 5 dozen.

I'M NOT LION...

The Classified Livestock Section Has Beastly Selections!

Md. dairy judging team wins first in reasons

Members of Maryland 4-H team pose with trophy cups after winning first in reasons during the North American invitational youth dairy cattle judging contest held recently in Louisville, KY. Shown are (left to right): Dr. J. Lee Majeskie, the team coach; Sapienza Majeskie, chaperone; Jack E. Kahler of Ladiesburg; Karen Smith of Burkittsville; Stacey Vansant of Hunters Mill, and Noel Alden of Florence. Miss Vansant placed third in reasons among individual contestants from 16 states, and Miss Smith was fifth. Kahler and Alden also placed in the top 20.

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THE MICRO WAY

LANI BLOOMER

Elegant Holiday Dinner For Four

If you want a really special dinner for four, but don't have a lot of time to spare this busy time of year, take a look at today's recipes. This elegant but easy meal can be prepared in an hour, with a minimum of fuss. If you make a dessert the day before, or stop at the bakery on your way home from work, you're set for the evening!

The menu includes glazed cornish game hens, cut in half for easy serving. Wild rice pilaf, made quick and easy with a mix. And fresh broccoli with lemon butter. Add some rolls, a salad, or other side dishes if you wish.

If your microwave has a rack, for "whole meal cooking," follow the easy steps and cooking times in the Preparation Plan to prepare this meal (recipes follow).

If your oven is smaller, and doesn't have a rack, see the Tips at the end of the column. Use the cooking times in the recipes when cooking the foods separately.

Preparation Plan

1. Prepare glaze for hens, set aside.
2. Prepare rice pilaf, through Step 2 and set container on rack in oven.
3. Prepare hens through Step 2 and set on the bottom of the oven, under the rice. Microwave on high for 15 minutes (poultry and rice together). Turn hens over and baste with remaining glaze. Stir rice and recover.
4. Reverse positions of rice and poultry in the oven: put the rice on the bottom under the rack, and the hens on the rack, uncovered. Microwave on high for 15 minutes longer.
5. Prepare broccoli for microwaving, set table, etc. while hens and rice are cooking. Remove poultry and rice from oven to stand, covered, for 10 minutes while broccoli cooks. Cook broccoli as directed below.
6. Heat lemon butter for broccoli while broccoli stands for 3 to 4 minutes after cooking.
7. All is ready to serve — light the candles and enjoy!

Wild Rice Pilaf

1 6-ounce package seasoned long grain and wild rice
1 cup (4 ounces) sliced fresh mushrooms
1 small onion, chopped
2 tablespoons butter or margarine
2⅓ cups hot water

1. In a 2-quart casserole, combine seasonings and rice, onions, mushrooms, and butter. Cover and microwave on high for 3 to 4 minutes, stirring once, until mushrooms and onions are tender.
2. Stir in hot water. Cover tightly (use lid or plastic wrap) microwave on high for 6 to 7 minutes, until boiling.
3. Reduce power and microwave on medium (50,5) for 20 to 25 minutes, until all the water is absorbed.
4. Let stand, covered for 5-10 minutes. Serves 4 to 6.

Some cookbooks recommend serving a whole Cornish hen per person. I feel this is too large a serving for most people. However, if your family or guests have LARGE appetites, half a hen, as planned here, may not be enough.

Glazed Cornish Hens

2 Cornish hens, 3½ to 4 pounds total

Glaze:

½ cup cranberry jelly
2 tablespoons butter or margarine
1 teaspoon bottled browning sauce
¼ cup liquid, such as cranberry, orange or apple juice, or chicken stock.

1. Prepare glaze: Combine butter and jelly in a 2 cup measure. Microwave on high for 1 to 1½ minutes until hot. Add browning sauce and liquid, stirring until smooth. Microwave on high for 1 to 1½ minutes until bubbly. Baste on poultry before microwaving.
2. Cut hens in half, using poultry shears or a sharp knife. Place skin side down in a flat pan. Baste with about half the glaze and cover with waxed paper.
3. Microwave on high for 10 minutes. Turn over, putting least cooked sides of meat to the outside of the container. Baste with remaining glaze.
4. Leaving hens uncovered, microwave on high for 12 to 15 minutes longer, until almost done. Cover with foil and let stand 5 minutes before serving. Serves 4.

Fresh Broccoli with Lemon Butter

2 bunches broccoli, about 1 pound each
2 tablespoons fresh lemon juice
6 tablespoons butter or margarine
Pepper to taste

1. Cut thick stems off broccoli and reserve for another meal (they're good sliced thinly and stirfried!). Wash broccoli tips and cut length-wise into quarters. (You should have about 1 pound tips.)
2. Arrange tips in two rows in a flat pan, with thte tips together and the stem ends outward. Add ¼ cup water and cover tightly with a lid or plastic wrap.
3. Microwave on high for 7 minutes. Let stand for 5 minutes and check for doneness. After the standing time, the stem ends should be tender, yet slightly firm.
4. Combine lemon juice, butter and pepper in a 1-2 cup measure. Microwave on high for 1 to 2 minutes, until bubbly and hot. Stir well and immediately pour over broccoli to serve. Serves 4-6.

TIPS: If your microwave is not large enough to hold both the rice and Cornish hens at the same time, microwave the rice first, then Cornish hens, then broccoli. Reheat the rice briefly before serving.

Or, to save time, cook the rice on your stove (saute mushrooms and onions in butter, add rice, seasonings and water and follow directions on the package). In your microwave, cook the hens first and then the broccoli while the rice cooks.

NOTE: The times above are for microwaves with 600-700 watts of power. For 500-600 W, add 10 seconds to each minute; for 400-500 W, add 20 seconds to each minute.

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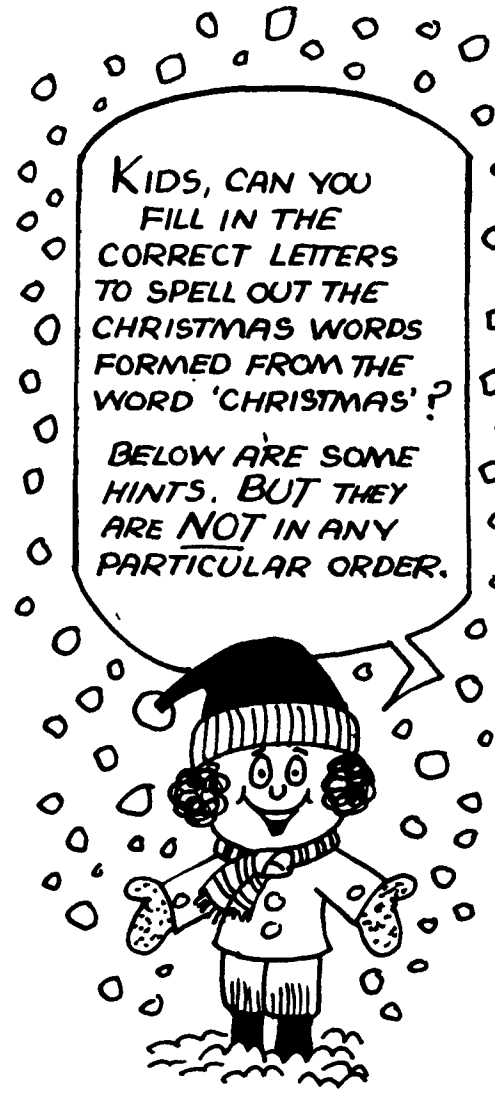
KIDS, CAN YOU FILL IN THE CORRECT LETTERS TO SPELL OUT THE CHRISTMAS WORDS FORMED FROM THE WORD 'CHRISTMAS'?
BELOW ARE SOME HINTS. BUT THEY ARE NOT IN ANY PARTICULAR ORDER.

BY DAVE CARPENTER

See answers on page B12

C _ _ _ _ _
H _ _ _ _ _
R _ _ _ _ _
I _ _ _ _ _ _ _ _
S _ _ _ _
T _ _ _
M _ _ _ _ _
A _ _ _ _
S _ _ _

- HE TOLD MARY AND JOSEPH THAT THERE WAS NO ROOM.
- ST. NICK
- LED THE THREE WISE MEN.
- THE SAVIOR
- HE HAD A RED NOSE
- DECORATE AT CHRISTMAS TIME
- HARK! THE ____ ANGELS SANG...
- CHRIST'S BED
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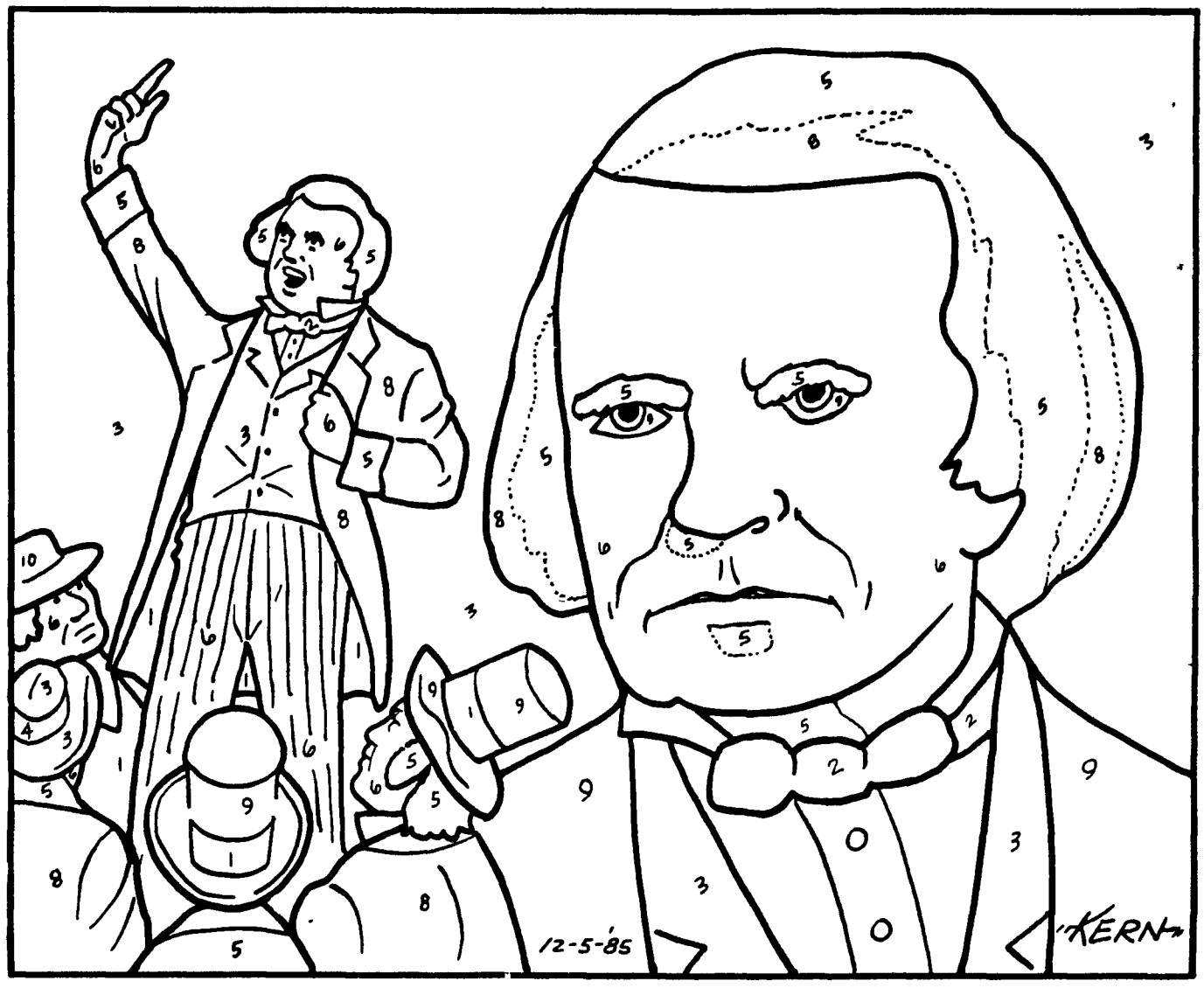

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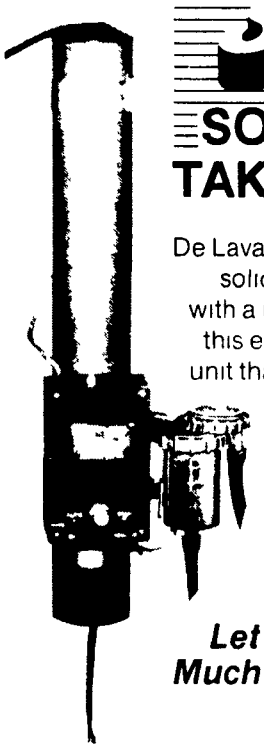

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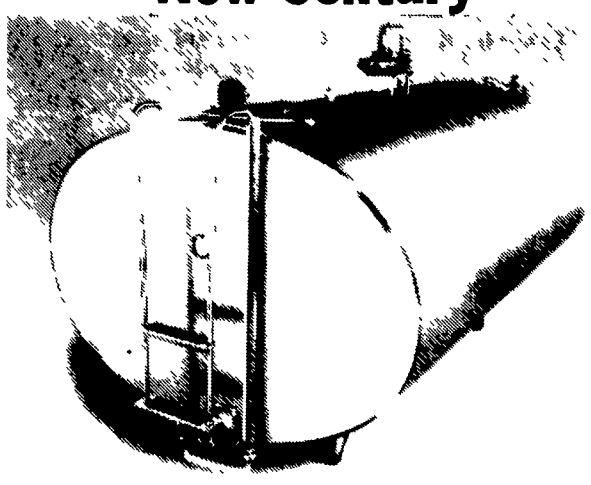

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Guard against holiday weight gain with these planning tips

PITTSBURGH — There's a popular sign that depicts the advice to Plan Ahea...d with the d sliding off the page. Consider this as a warning as we enter the holiday season. Often we have great intentions to lose a few pounds before the holidays or to avoid gaining weight...but just like the d in the sign, there's no space in our lives!

Weight loss or control takes more than good intentions. It requires planning and serious commitment to both food selection and exercise if we are to win the holiday party challenge!

Judy Dodd, a registered dietitian with Dairy & Nutrition Council has some tips to help with the planning ahead. She suggests that the serious weight control planner concentrate on one tip at a time, adding another every few days. If you slip a day or two, don't treat it as an excuse to quit. Instead, remember to review, regroup and get back on track with your plan. If the d doesn't fit on PLAN AHEA...D, that's not a signal to stop planning, it is a signal to make a new plan!

Here are some planning ahead tips for weight control:

1. Control the size of meat, fish and poultry portions. The tendency is to believe that things that make us gain weight are sweet and gooey. Remember all calories in excess of what is needed for our body to function and for activity, can convert to fat! The meat in a regular size hamburger is about 21 grams of protein and 224 calories. This is already almost a third of the daily protein needed for many adults. The ever popular four-ounce burger or double burger can increase protein and calories beyond what is reasonable for the adult trying to control weight.

2. Set a regular time for exercise and stick to it! Exercise promotes a healthy heart, tones muscles, and burns calories. Twenty to thirty minutes a day or at least every other day is a start on fitness. And a brisk walk is one form of exercise most people can handle!

3. Make it a point to taste some of the "lite" products on the market. When was the last time you tasted skim milk? Although not advertised as "lite," this is a calorie saver with extra nutritional value. A glass of skim milk is only 85 calories with appetite satisfying protein and about 1/3 of an adult's calcium requirement. Add some vanilla and nutmeg for a festive "punch" for between meal pick-me-up.

Lite salad dressings vary in calorie value with a range of one to 24 calories for a tablespoon. The regular dressings range from 50 to 100 calories per tablespoon.

4. Make vegetables the center of a meal two to three times a week. Microwaves and stir-frying make it easy to prepare great vegetable dishes that can be the focal point of a meal. The savings in calories varies depending on the choice of vegetables and other ingredients. Pea pods, sprouts, broccoli, celery, zucchini, and cauliflower are just a few of the low calorie choices that blend well. A small amount of meat, fish or poultry can be used if its difficult to make the full switch to a vegetarian meal, but remember—only a small amount!

Answers

C	H	R	I	S	T					
H	E	R	A	L	D					
R	U	D	O	L	F					
I	N	N	K	E	E	P	E	R		
S	A	N	T	A						
T	R	E	E							
M	A	N	G	E	R					
A	N	G	E	L						
S	T	A	R							

Better yet, add some cheese or yogurt to the meal to complete the vegetable protein and give some lasting power to the vegetables.

5. Find ways to cut down on fat without sacrificing taste. Broil or bake meats rather than frying. Trim off any fat or remove the skin on poultry rather than eating these concentrated calories. For comparison keep this in mind:

½ chicken breast with the skin, fried 218 calories; ½ chicken breast without the skin, roasted 142 calories; 1 T-Bone steak, including fat 235 calories; 1 T-Bone steak, lean meat only 116 calories.

6. Avoid high calorie munchies at the party and at home. Even nutritious foods like peanuts are calorie extras. Stand next to the pretzels or popcorn. Better yet, volunteer to bring a low calorie yogurt dip and vegetables. Keep a piece of sugarless gum in your mouth if you are a compulsive muncher. You are less likely to eat and the chewing may keep you satisfied! That two tablespoons of salted, roasted peanuts is worth 170 calories. Surely you have better ways to spend your calories.

7. Cut all dessert and sweet portions in half. Notice, we aren't suggesting you eliminate them. Part of the fun of holidays is eating Mary's homemade cookies, or Jim's special cheesecake. Be realistic in your goals and expectations and if you can learn to take half a usual portion, you are that many calories ahead!

8. Do take seriously the advice to plan ahead. If you know a big meal or a party is on the horizon, be extra careful the days ahead. It is easier to control calories on your own turf!

If you know there will be a late dinner, eat a late lunch or have a snack with staying power before you go out. This can save you from grazing at the appetizer table to the tune of more calories than you care to remember!

Finally, enjoy the holidays and plan ahead to keeping your good eating and exercise patterns into 1986!

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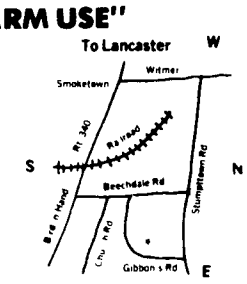

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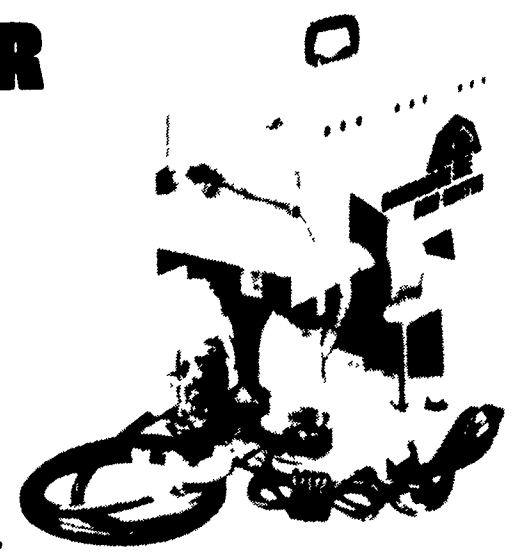

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Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

Try Some Little Known Fruits

Americans are showing an increasing fondness for fruits from far away places, possibly because of increasing travel to exotic lands.

Pineapples have become standard items found in produce departments almost year round. Others, like kiwifruit, papaya, and mangos are becoming familiar by names, but many consumers probably have never tried them. These tropical fruits are beginning to show up on more and more produce counters.

It's fun to try new fruits, but it helps to have a little know-how to select and use fruits that are less familiar to us.

Kiwifruit, a relative newcomer to the United States, is already popular. It is originally from New Zealand but production is growing rapidly in California.

Kiwifruit has a rather homely exterior. The fruit is egg shaped with a fuzzy brown surface. However, after the fuzz is removed and the fruit peeled, you will find a beautiful green interior and a flavor that is both unusual and sweet.

For best eating kiwifruit should be at least as soft as a ripe pear. If the fruit is very firm on the produce stand, let it ripen at room temperature. You may be able to buy a mix of soft kiwis for now and some firmer ones for later use

The fruit should be well chilled before peeling. It is most attractive when sliced cross wise. Its lime-green flesh is ringed in the center with an interesting pattern of tiny, crunchy, edible black seeds.

The papaya, or "tree melon," is popular in all parts of the tropical world. Although it is related to the melon family, it is harvested from a tree. Papayas are available year round. Most come from Hawaii, although some papayas are grown in Florida.

Hawaiian papayas are harvested at the mature green state, firm and green-skinned with a tinge of yellow at the blossom end (fat end). The fruit arrives at the supermarket in various degrees of ripeness -- one-quarter, one-half, or three-quarters ripe – with skin colors ranging from green to yellow-green to yellow-orange.

Papayas ripen in two or three days when held at room temperature. Select fruit with unblemished skin, avoiding those with dark spots which often go far below the skin surface and can ruin the fruit's flavor. Ripe fruit will yield to gentle pressure.

Most people seem to like papaya the first time they try it. However, the subtle flavor becomes more pronounced and enjoyable each time you taste it. The usual way to eat papaya is simply to cut the fruit in half lengthwise, remove the seeds, sprinkle with a little lime or lemon and serve as breakfast fruit or dessert.

Mangos require a warm climate and Florida is about the only place in the United States in which they flourish. They are also imported from several tropical countries. Some mangos are oval and rather flat, while others are nearly round, depending upon the variety and area in which they are grown.

Buy mangos that are somewhat firm and keep at room temperature until the fruit yields to gentle pressure. The outer skin may look speckled by the time the fruit is ripe, but it is very important that mangos be fully ripe before serving. An underripe mango has a very disappointing flavor and texture.

A ripe mango peels quite easily. It can be very juicy, too. Start peeling from the end rather than from the middle of the fruit. The seed is long and flat and the meat or flesh tends to cling to the seed and must be sliced away. A good way to do this is to put the peeled mango on a plate, hold it down with a fork and slice the fruit away from the seed. The fruit can be eaten as is, although the sliced or diced mango fruit can make an interesting addition to a salad or dessert.

Look for some of these familiar fruits at your favorite produce counter. Happy eating.

Hamburg FFA

Five Hamburg FFA members attended the recent National FFA Convention in Kansas City, Mo. The biggest highlight of the event for Hamburg FFA'ers was watching fellow member Jan Adam receive the American Farmer degree, the highest level of membership in the FFA.

On the way to the convention, the chapter toured various attractions including the North American Livestock Expo, Squire Boone Caverns, Ralston Purina Farms, University of Kentucky Research Farms, Anhauser-Busch Brewery, Missouri Botanical Gardens, the Arch and Gateway to the West Museum of Missouri, The Ag Hall of Fame and Indianappolis 500 speedway and museum.

Members attending the convention were: Jan Adam, Hamburg; Henry Seidel, Lenhartsville; Tammy Balthaser, Bernville; Lynn Krick, Hamburg; and Steve Rohrbach, Shoemakersville.

Berks FFA

Berks County FFA held a corn, hay and small grain contest at the Oley Valley High School on Nov. 21. Jim Blatt, a tenth grade student, placed first in quantity with 197 bushes per acre, and fifth in quality.

Members who entered the corn contest had to have a corn yield check done by their agriculture teacher. Random samples were then taken from the fields and entered in the contest.

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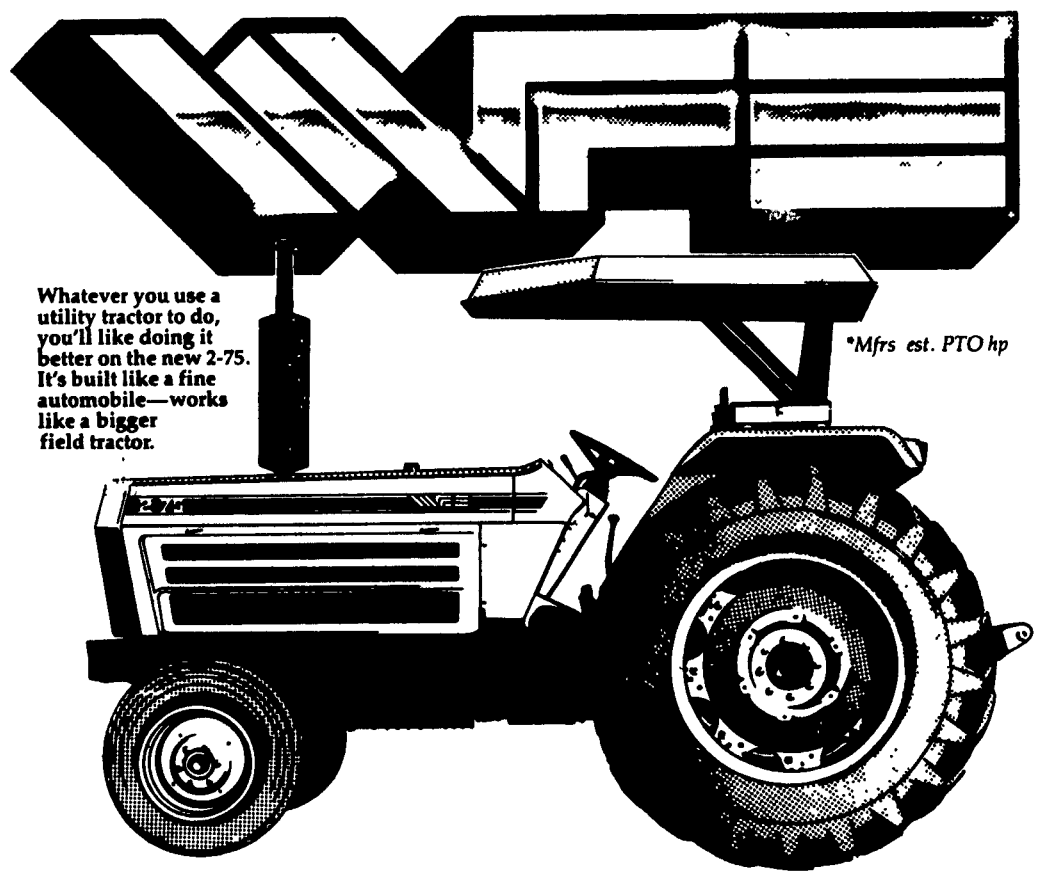

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Women: changing roles on the farm

NEWARK, Del. – Mention the word "farmwoman" and many people picture a dumpling-cheeked, housedressed wife, mother, helper and homemaker. Or perhaps someone who periodically dons jeans to gather eggs or tend a small vegetable patch which feeds her family.

Yet recent studies of farmwomen show their roles to be as diverse as those of nonfarm women. According to University of Delaware extension community resource development specialist Dan Kuennen, women farmers are on the rise. And women on the family farm are not only assuming more diversified and managerial roles, but are also handling even their traditional duties as professionals.

Women wield significant agricultural power as owners of farmland. The U.S. Census Bureau's 1979 Farm Finance Survey showed that of the 1.7 million farm landlords in the United States, 46 percent identified themselves as males and 25 percent as females. Female landlords had smaller holdings and rented more of their land to others than did the male landlords.

The female landlords surveyed had a lower rate of return on their capital investment. They were generally less likely to take risks, and invested less in equipment or new land. This conservative behavior carried over to borrowing, leaving females with much less debt than males. Only eight percent of female farm landlords had debts, compared with 19 percent of the males, and their debts averaged far less.

Female farm operators are increasing both nationally and locally, Kuennen says. While the number of male farmers in Delaware declined between 1978 and 1982, the number of women who considered themselves primary farm operators increased by 14 percent. Delaware's seven percent female-operated farms ranks higher than the five percent female share of farming nationwide.

Unfortunately, these statistics cannot pinpoint to what extent the increase is due to new farmers, changing roles on the farm, or the recognition of duties always performed but not previously acknowledged. Kuennen believes all three factors are involved.

"The vast majority–202, or 80 percent of Delaware's 250 female operators–are full owners, he says. "About half run cropland operations, most under 50 acres. Female operators account for about three percent of the state's farm acreage."

Women operators included in the 1978 Census of Agriculture tended to be older and more likely to live alone than male farmers, the specialist reports. Many farmwomen are widows, less likely than men to have family help on the farm or support from family members with off-farm income. Like the female landlords, a far smaller percentage of female farmers reported farm debt, and their generally smaller farms averaged less cash income.

Meaningful statistics on what farmwomen do are as difficult to gather as to interpret, and only in 1978 did the Census of Agriculture first attempt it. Kuennen points out that its figures on women operators probably run low since each farm reports only one operator–usually the husband–even on jointly run farms.

Other information sources only partially account for farm work done by women because they consider wives unpaid family workers. And much occupational data on U.S. workers reflects only primary activity at a given time, failing to acknowledge the seasonal nature of farming and the need to supplement income with nonfarm employment.

In 1980, the U.S. Department of Agriculture surveyed 2,509 operators or wives of operators of farms, ranches and other agricultural enterprises nationally. Although nearly 33 percent worked at off-farm jobs and 67 percent identified themselves as farm wives, most (55 percent of these women) considered themselves one of the main operators of the farm, showing their close emotional ties to the operation.

According to that survey, women most frequently participated in management and field work on horse and animal farms which provided a secondary source of family income. Women tended to be more active in livestock and dairy operations than on cash grain farms. On large commercial farms with hired management, they most often performed traditional duties such as home management, errands, bookkeeping and tending vegetables for family consumption.

Kuennen concludes that women's contributions to small family farms seem to vary geographically, based on USDA Family Farm Surveys conducted in Mississippi and Tennessee in 1981, and Wisconsin in 1983. Wisconsin women were more likely to help run the farm and work only part-time elsewhere. The southern women more often contributed a full-time income from off-farm marketing, sales and clerical positions, jobs in education or health services, or factory employment.

Regional farming practices account for historical differences in women's farm roles, suggests Carolyn Sachs in "Short History of U S. Farmwomen" (February 1985 issue of Rural Development Perspectives). In the north, where subsistence farming first shifted to large commercial production, women pitched in less with plowing and planting and concentrated on vegetables and eggs for the family table. Men controlled overall farm development while women managed the household, often supporting it with money they earned from eggs, poultry, fruit and butter.

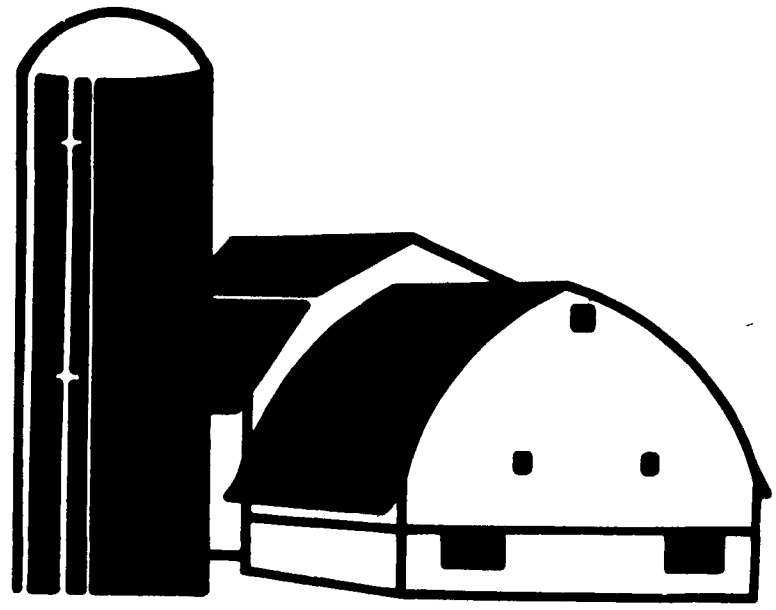
In the south, plantation mistresses historically managed the domestic labor and supervised the production, purchase and distribution of food for the planter's family and slaves. Other women, both white and black, joined the men in the fields as slaves, sharecroppers or hired laborers.

Western women often worked side by side with their homesteading husbands planting, harvesting and building. On the frontier, with abundant land and more equitable property rights, widows began to keep their farms and even some single women owned land. Immigrant women often worked in the fields, especially at harvest time.

While technological shifts are sure to spur further evolution in women's farm roles, Kuennen feels that the implications are not entirely clear. Increased industrialization tends to remove women from decision making. Although women have traditionally overseen the feeding, slaughter and dressing of poultry as well as the collecting of eggs, most chickens are now raised under contract to corporations whose field experts instruct farmers on raising the chickens in large flocks under confinement.

Of course, women can participate in this process too, as witnessed by the recent Perdue advertising campaign to "Give your wife a second house"–a broiler house.

Furthermore, computerization can make managing even large commercial operations more convenient for the farmwoman wearing her many different hats. The use of home computers in farm management seems likely to open up new ways for women to participate in the production process.



Books: a lasting Christmas gift

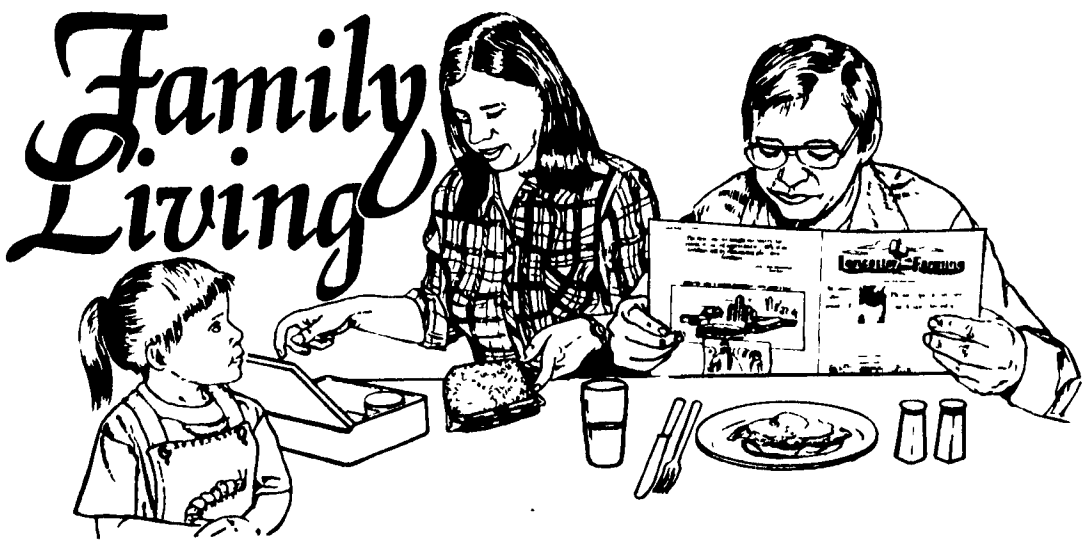
MEDIA – Books can provide a refreshing change of pace from the usual array of Christmas toys says Greta C. Vairo. Even the youngest child enjoys having books read to him as he looks at the pictures. The older child can learn about other lands, adventure, danger, mystery, the past and the future through reading.

Pre-schoolers enjoy books with large colorful pictures. Topics should be things the child can understand–animals, nature, children, houses, cars, trucks. A book about a child with the same name as the one you're buying for is always a hit. Don't forget collections of nursery rhymes.

Children just starting school usually like stories about other children; community helpers such as doctors, farmers or mail carriers; and books about pets and toys. Children in grades through four like fantasy, humorous stories, joke books and anything about superheros. A children's dictionary or atlas may be a good gift.

By about the age of 10, the child is ready for biographies, stories of suspense, and mysteries. Realistic stories with a historical setting are popular, so a classic may be a welcome gift. Another gift idea for children is a magazine subscription. The fun of getting mail is added to the fun of getting new reading material.

You may want to ask the children's librarian in your community for some guidance about books and magazines. She should have access to reviews and lists of recommended reading for children of all ages. The gift of a book or a magazine subscription can help instill love of reading in a child. It's one of the best investments you can make in a child's future.



BACK HOME

By Michelle S. Rodgers

Berks Extension

Home Economist

The Gift of Time

"How about Wednesday, Thursday, or Friday? Saturday's already booked solid!" After a half hour of complex scheduling my husband and I were able to establish a few hours to go pick out our Christmas tree. One of my coworkers told me that she has decided that there just isn't enough time to put up a tree this year. And another acquaintance called to request are presence at a Christmas party, but informed me that she could not be there as she had four committees that same evening!

With all of these separate incidents and comments occuring in one day I seriously began to contemplate if the hustle and bustle of the season has gotten out of hand! I, too, have a long list of "to do's" for the coming three weeks and if I wander too far from my schedule book, I'm like a lost sheep.

Christmas is always an unusually busy time filled with special events, parties, cooking, shopping, and get-togethers. This scenario is so true for many families that it has been labeled "activity overload" by Jim Van Horn, family life specialist. There are so many things to do and so little time to do them all. I don't think we ever plan on having activity overload, it simply seems to happen, and especially at this time. Unfortunately, it is only when we are exhausted and potentially unhappy from all the activity that we realize the reality of the situation and find no immediate solution.

The real challenge to families and individuals alike is to prevent the overload from happening over and over again. This holiday season may be the time to make the change in your family. It is a time when the focus should be on being together and doing things together rather than focusing all of our energies into the activities.

To make a change from "activity overload" to "focused family time" will require making some choices. Choices will have to be made not only about which activities to pursue, but how many. It's not only choosing the good from the bad, it is trying to decide among the many positive activites that are available in such abundance. However, missing some positive activities may even be important. A Penn State family strengths study found that "strong families intentionally cut down on the number of outside activities and involvements in order to minimize fragmentation of their family life."

Stop now! It's not too late! Before you accept one more invitation or plan one more party or gathering, consider how it will affect your family time. Decide which activities you can forgo this holiday to create some more prime time with your family.

I think you'll agree that time to be together doesn't come easily. Most families use "leftover" time for family sharing–leftover after a long, busy day, or after an evening of shopping, or after cleaning is done or the bills are paid. Leftover family time is about as exciting as reheated meal leftovers at my house.

A few weeks ago my parents, brother and sisters got together for a Friday evening of ice cream and holiday planning. Dates were checked and schedules arranged so that even six-month-old Samuel would be at his prime to enjoy the holiday festivities. Plan and decide as a family on the activities you will enjoy in the coming weeks. After all, isn't the gift of family time the best gift to give this Christmas?

York County recognizes outstanding FFA members

BY JOYCE BUPP
Staff Correspondent

FAWN GROVE — Hosting members took a lion's share of awards during the York County Future Farmers of America's mass meeting, held Nov. 21 at Kennard-Dale High School.

Tom Parks, outgoing county president, was named the FFA's Star White Rose degree winner; he also received the Blue and Gold award, presented by area insurance executive Arthur Gladfelter. Parks is the son of Mr. and Mrs. Roy Parks, Jr., Stewartstown R1.

Brian Klinedinst and Loretta Cooper, also both Kennard-Dale chapter members, were selected the county's outstanding FFA boy and girl for 1985.

The awards presentations were a highlight of the annual county Future Farmers meeting and installation of officers for 1986.

Named to the presidency of Michael Heim, Felton R2, a Kennard-Dale member. Dover chapter's Mark Anderson, Rohler's Church Road, is the new vice president.

Other county officers are: secretary, Lisa Kilgore, Airville R2, Red Lion chapter; treasurer, Randy Gross, New Park R1, Kennard-Dale; reporter, Carl Greiser, Felton R3, Red Lion; sentinel, Sonia Warren, Smith Street, York, White Rose chapter; chaplain, Kelly O'Brien, Felton R3, Kennard-Dale, and parliamentarian, Clark Kitner, Mt. Zion Road, Dillsburg, the Gifford Pinchot chapter.

Twenty-four young men and women earned their White Rose degree. Representing the Dover chapter are Mark Anderson, James Eisenhour, Amy Harlacker, Cathy Harlacker, Crystall Mann, Todd Marwine, Craig Parr, and Eric Spahr.

Gifford Pinchot's White Rose winners are: Clark Kitner, Rick Livingston, Troy McAfee, Craig Reed, and James Strasser. From Kennard-Dale, county degrees went to Brian DeVoe, Edward Gross, Randy Gross, Michael Heim, Kelly O'Brien, Thomas Parks and Kelly Whitmer.

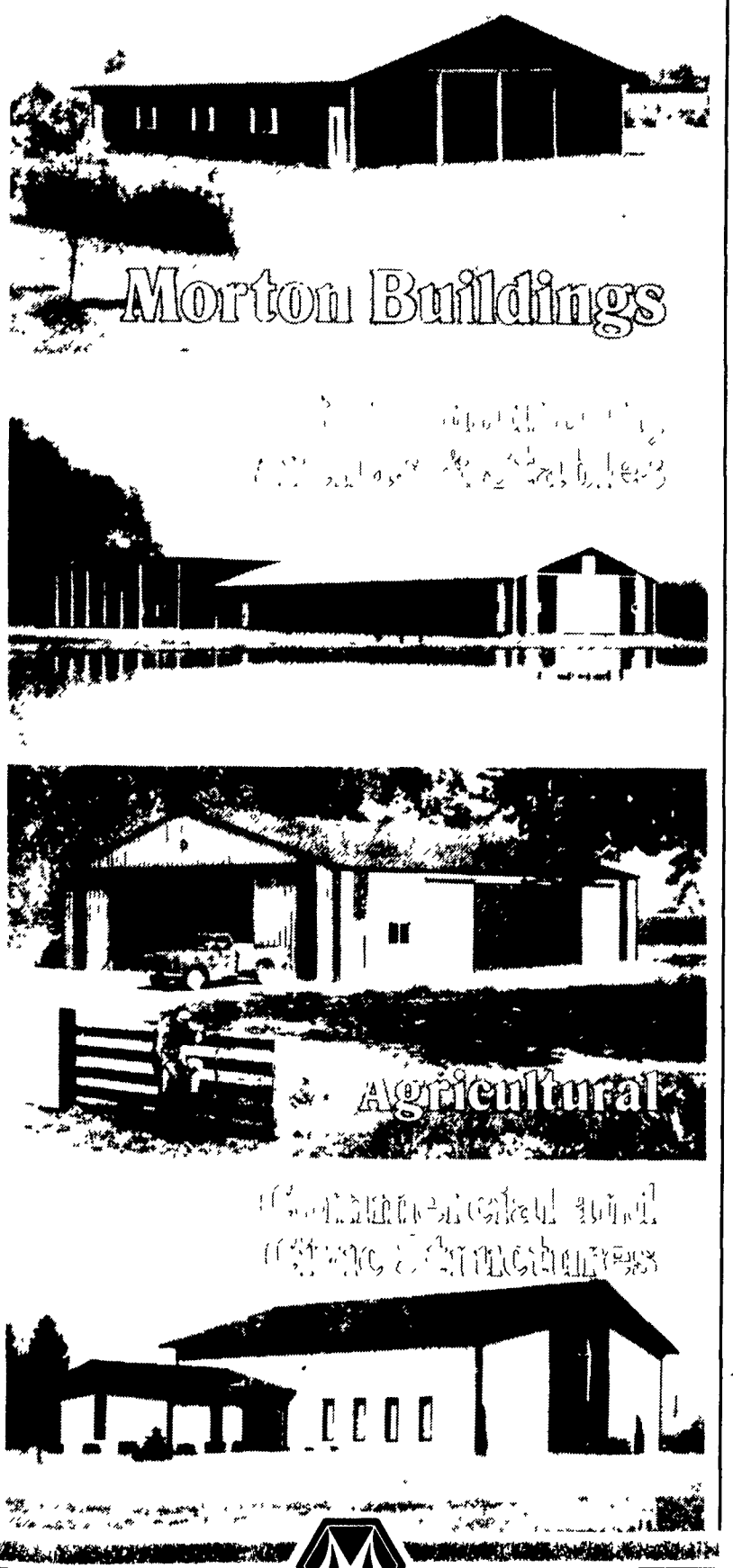
Recipients from the Red Lion chapter are John Eaton, Jr., Carl Geiser, Lisa Kilgore and Tracey Stearn.

Other awards presented during the recognition session went to winners at the county contests and annual athletic meet.

Tom Parks is York County's FFA 1985 Star White Rose degree recipient. Parks also won the York County FFA Blue and Gold Award. With the former county FFA president is Ralph Travis, advisor to the Kennard Dale chapter.

Brian Klinedinst and Loretta Cooper were named outstanding FFA boy and girl in York County. Making the presentation was county advisor Guy Naugle.

LEASING AVAILABLE



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Pa. youth win honors at FFA Convention

Pennsylvania's poultry team recently traveled to the National FFA Convention in Kansas City, Mo., where they placed 28th in competition. Receiving congratulations from an FFA official are (from left) team members Duane Hess, Penn Manor; Alvin Shaffer, Line Mountain; and Toby Shank, Penn Manor. At right is Penn Manor vo-ag teacher August Birchler.

The Kutztown FFA chapter received national recognition for achievement in community development activities at the recent National FFA Convention. Here, from left, Vance Clark, administrator, Farmers Home Administration; and Laird Willson, vice president, production, Del Monte Corporation, congratulate chapter member Andrew Murphy and FFA advisor Christine Williams. The chapter was one of 184 Building Our American Communities winners.

The Berks County Dairy Judging Team from Tulpehocken FFA won sixth place in the national contest during the National FFA Convention. Here, a contest official congratulates, from left, Doris Stump, Bernville; Gary Bicksler, Richland; and Troy Koenig, Bernville. At right is chapter advisor Lisa Shirey.

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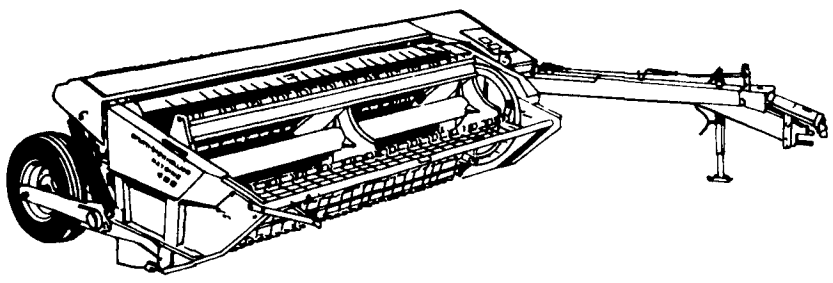
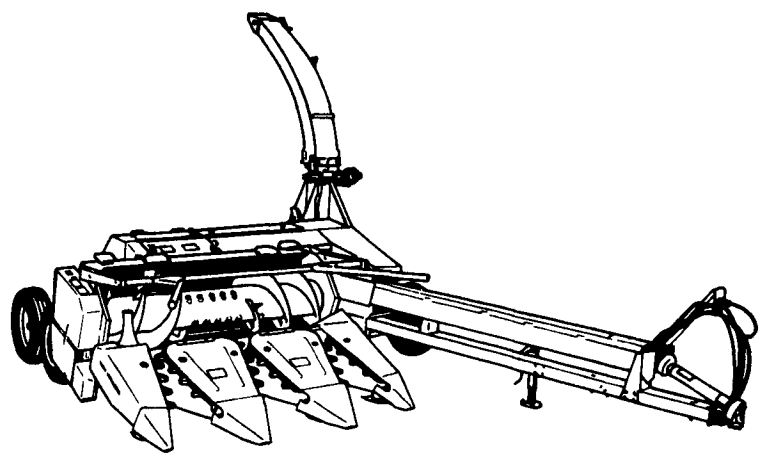
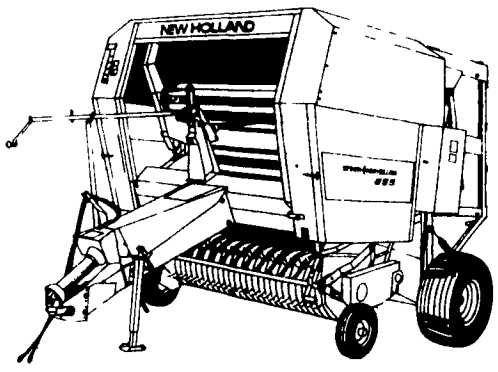




WINTERS BUYERS DIVIDEND PLUS



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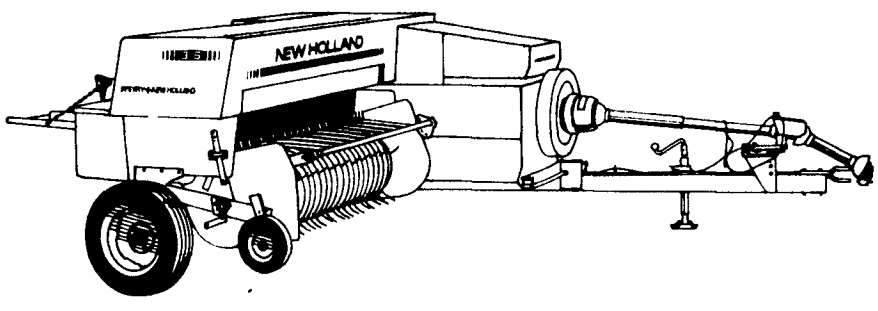

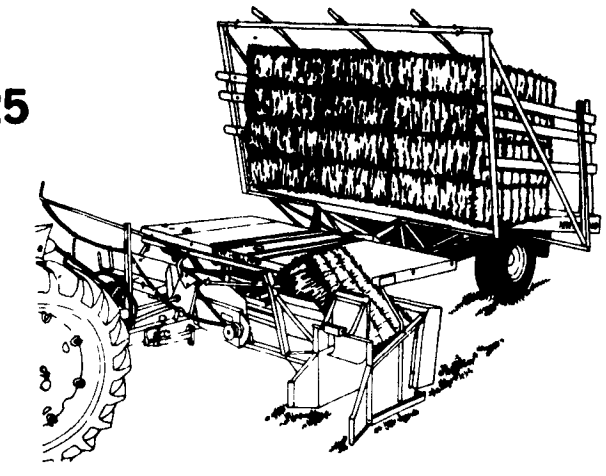

Delaware state winners attend National 4-H Congress

NEWARK, Del. — Delaware 4-H state winners attended National 4-H Congress in Chicago this week. Below is a list of those outstanding teens from Delaware who were selected to attend.

• Dan Simpson, a skilled carpenter from Newark, won a national 4-H scholarship with his wood science project. The 15-year-old designed and built a triple bed complex for his two brothers and himself.

• Yvette Denise Argo, Milford, won the 4-H food preservation award. The 16-year-old spent 100 hours canning 12 varieties of produce and freezing 250 pounds of pork and 120 pounds of chicken.

• Jill Finkbiner of Greenwood won her award for her project in soil and plant science. The 17-year-old spent more than 1,200 hours working on a local produce farm.

• Candee Clifton of Bridgeville had an award-winning state project in home management. Label reading, comparison shopping and reviewing new products were all part of her project.

• Russell Carlisle, Greenwood, received his award in petroleum with his small engines project. Russell, 17, has his own lawn mowing business.

• Dawn Bailey, Newark, won state honors for her fashion revue. The 17-year-old has modeled her own fashions in 11 shows and will model before a national audience in Chicago.

• Jeffrey Allen, Bridgeville, won the state award in achievement. The 16-year-old has nine years of 4-H horse, dog and leadership projects behind him.

• Robin Zareo, Harrington, won the state safety award for project work that included numerous reports on food and home safety. The 19-year-old assisted with the Delaware Safety Council's presentation on seatbelt safety.

• Melissa Wilson, Greenwood, is the winner of the state health award. The 17-year-old's project included exhibits, demonstrations and volunteer work in community health drives.

• Belinda Schryver, Greenwood, won the state award for her horse project. In her eight years as a 4-H'er, the 17-year-old has participated in more than 100 shows. She has trained 28 horses.

• Sandy Miller, Seaford, is Delaware's consumer education winner. The 18-year-old won the state award by surveying buying strategies, researching advertising and presenting consumer information.

An abundance of talent won the Delaware 4-H food preservation award for Yvette Denise Argo of Milford.

• Diana Brunozzi, Wilmington, won the state award for her breads project. The 16-year-old spent 200 hours baking a variety of breads for her family and church suppers.

• Moira McGuinness, Wilmington, won the state award for her photography project. As the 1985 New Castle County 4-H Day Camp photographer, the 16-year-old wrote, narrated and produced a promotional slide-tape presentation on 4-H day camps.

• John Mitchell, Hockessin, won the state award in agriculture for projects that included raising sheep, poultry and chrysanthemums.

• Kendra Vagle, Wilmington, won the state clothing award. The 17-year-old has participated in clothing workshops, judging events, demonstrations and fashion revues.

• Brian Emerson, Middletown, won top honors in leadership. The 18-year-old has choreographed and directed numerous 4-H talent presentations and taught performing arts at state 4-H camp.

• Nancy Skaggs of Clayton won her top honors for public speaking. The 16-year-old has taught food classes at 4-H day camps and has given numerous speeches and demonstrations.

• Briden Reynolds won the state citizenship award. The 15-year-old volunteered to work on Wilmington Mayor Dan Frawley's election campaign and has been a volunteer at the Mary Campbell Center, Home of Merciful Rest, A.I. Du Pont Institute and the Graham Center.

• Mary Elizabeth Schubert, Wilmington, won top state honors in foods and nutrition. The 16-year-old has prepared hundreds of desserts, main dishes and vegetable recipes.

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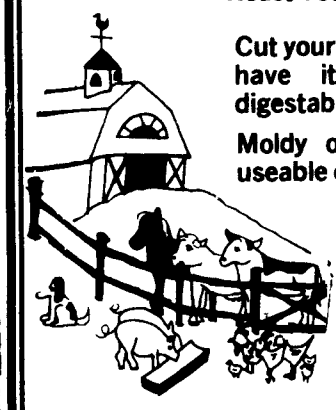

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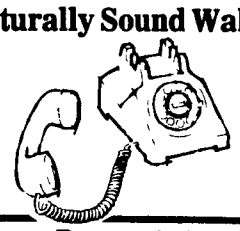

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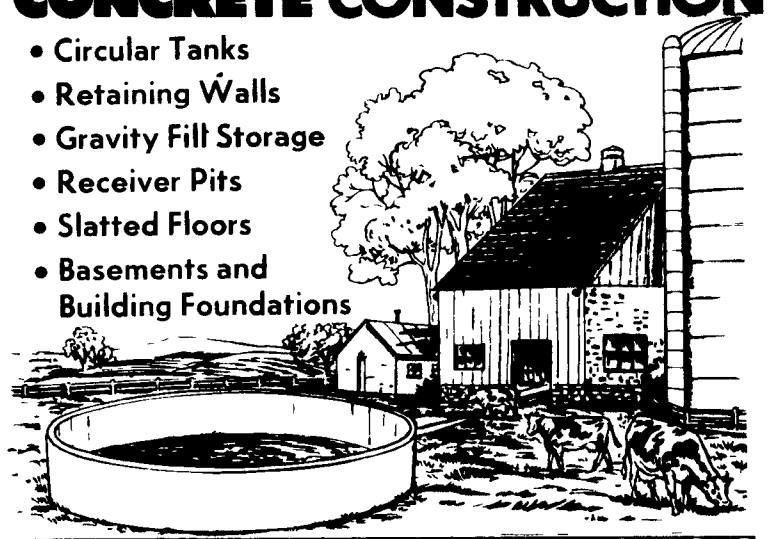

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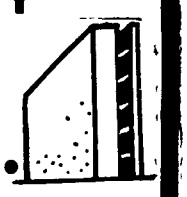

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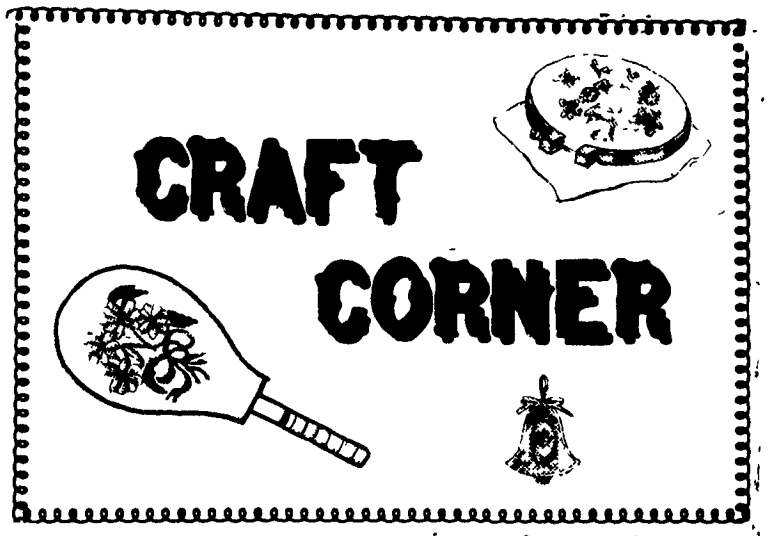

BY WENDIE R. BLANCHARD
Copley News Service

Elegance and simplicity are the hallmarks of well-made wooden toys. Craft shows throughout the country display these beautifully crafted toys in exotic woods to the envy of all of us who feel that woodcrafting is just too tough.

I felt this was one area where doing it yourself was best left to professionals, until companies like Dremel developed not only the tools that would not intimidate the inexperienced but also the project plans to assure that the beginner's work could look professional.

Dremel's new project plans series features complete construction diagrams and instructions to build a classic ferryboat and a turn-of-the-century cable car. Both projects call for quality cabinet-grade plywood such as Baltic birch.

This type of wood is excellent for children's toys, works similarly to natural wood, is free of gaps in the lamination, and sands, paints, and finishes beautifully.

You will want to use woods such as mahogany, ash or walnut for the trims and supporting pieces. Use and mix wood freely by incorporating scraps and leftovers to create contrast and add interest to each toy.

For a beautiful finish take time to rub on at least four coats of a natural oil such as Minwax Antique Oil. Lacquers and varnishes are difficult to apply and the oil will bring out the wood's beauty while giving the toys an attractive luster.

If your child has favorite toy cars or action play dolls, I suggest that the toys' specifications can be altered to accommodate them. Begin by positioning the cars on the ferryboat deck or dolls on the cable car bench seat supports. Measure the difference between the project plan and the toys. The percentage of difference should be added or subtracted from the plan dimension.

Many "quick printing services" have a machine that can enlarge or reduce the plans to the exact measurements you need at a very nominal cost. If there is one in your area, this can save you hours of measuring and frustrating mistakes.

If working with wood intrigues you, but working from a plan and "raw materials" still seems like the hard way, Dremel has a unique wood lettering and number layout kit designed to make a variety of signs and plaques.

Beautiful wood signs made from walnut, mahogany and other types of wood can easily be constructed by the beginner for decorative uses in the home or office. These cleverly made stencils can produce letters and numbers 2, 3 and 4 inches high.

The simple system features 100 templates of "Old English," "Script" and "Block" styles in both letters and numbers, with no need to measure between characters due to the special design of the stencils. A protective acetate cover is provided so the stencils can be used over and over again.

The desired effect for each sign you create is determined by the power tool you use. By changing the tool you can create cutout, sculpted, engraved or relief-carved letters.

I recommend that you start out with either a Dremel Moto-Tool® with a router attachment or, for a relief effect, the Moto-Flex® with a high-speed cutting bit. Keep in mind that these tools are not fullsize Shopmates, but rather mini tools that are just as comfortable in an apartment kitchen/workshop as in the basement.

Whatever your choice is in craft projects, resolve in 1986 to give woodworking a try. I think you will be pleasantly surprised.

For more information on Dremel's plan series, write to: Dremel, Division of Emerson Electric Co., 4915 21st St., Racine, WI 53406.

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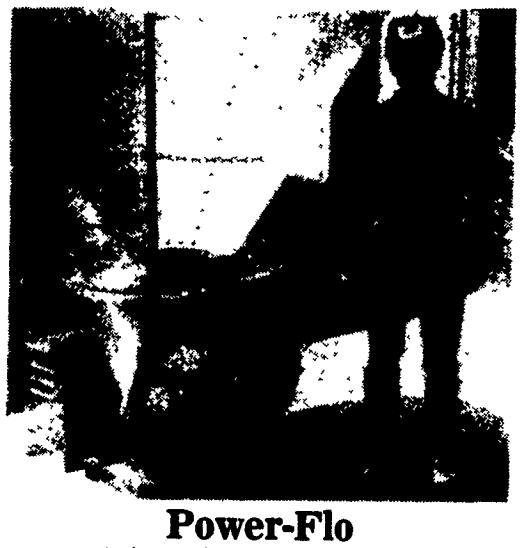

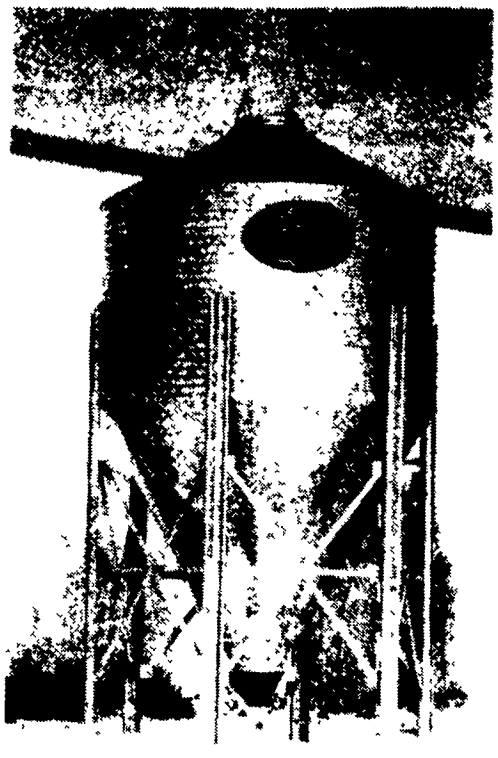

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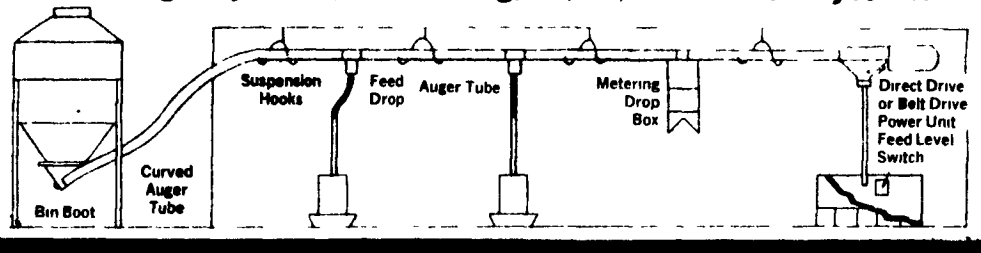

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F.W.S. Calendar

Saturday, December 7

Lancaster Society 12 meets at Millersville Lions Club at 6:30 p.m. for a family Christmas party.

Lancaster Society 10 meets for Christmas dinner.

Tuesday, December 10

Lancaster Society 22 meets at 7:30 p.m. for a Christmas party.

Thursday, December 12

Lancaster Society 14 meets at Harvest Drive Restaurant at 6:30 p.m. for a slide presentation — "A Pennsylvania Dutch Lady."

Lancaster Society 21 meets at 6:30 p.m.

Lancaster Society 33 meets at 7:30 p.m. for a Christmas party.

Saturday, December 14

Lancaster Society 19 meets at 1:30 p.m. for a "Christmas Meditation" program by Miriam Herr.

Lancaster Society 25 meets at 6:30 p.m. at Wengers for a family Christmas party.

Lancaster Society 18 meets at 1:30 p.m. for a Christmas in Williamsburg program.

Lancaster Society 2 meets in Mae Hosler's basement.

Lancaster Society 20 meets for a Christmas party.

Lancaster Society 6 meets at noon at the Church of the Brethren for a covered dish meal.

Lancaster Society 13 meets at 6 p.m. at Ronks Fire Hall for a family Christmas party.

National Grange honors two Pa. women

WASHINGTON, D.C. — Two Pennsylvania women received national awards from the women's activities department of the National Grange during the recent Grange Convention in Eugene, Ore.

Kimberly Merkel of Kutztown was honored for a top place in the stuffed toy contest, while Dorothy Brett of Bernville was a first place winner in the quilt contest.

HAVING SOIL PROBLEMS?

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Check your chimney safety

NEWARK, Del. – "Heating with wood is satisfying," says Ron Jester, University of Delaware extension safety specialist, "but it has its dangers." The chief danger comes from creosote build-up in chimneys which can result in chimney fires.

Creosote is a sticky mixture of tars and organic matter produced by incomplete wood combustion. The sticky matter condenses on the flue liner where it builds up and can eventually catch fire. Users of wood stoves and home fireplace should be aware of possible creosote problems.

Jester explains that once hot, creosote may behave differently depending on the heat intensity. At a relatively low temperature it can be a runny liquid. This can create a messy problem if the connector joints have been improperly installed; the creosote can run right out onto the floor.

"Keep a high temperature in the combustion chamber," says Jester. "This promotes a complete burn and effectively reduces creosote formation." Proper chimney temperature also helps minimize creosote accumulation, he says.

A stack temperature that is too low allows unburned gases to condense on the flue liner and start creosote buildup. If chimney temperatures subsequently increase, this creosote may dry out, flake off and fall down the chimney. Jester recommends a chimney thermometer marked with ideal temperature ranges as an effective monitoring tool.

Virtually all wood produces creosote, says the specialist. Research shows that dry pine, oak and eucalyptus can deposit enough creosote in a week to sustain a chimney fire. Reports indicate that even less time may be required to produce flammable amounts of creosote.

All types of creosotes stick to both brick and metal chimneys and will burn if they reach a minimum temperature of 800°F. A wood stove can quickly overheat if too much paper is put into it at one time. But chimney fires and creosote burns occur most frequently when a wood fire is stoked after burning overnight.

"People often close the damper at night in an effort to make the fire last longer," explains Jester. "But a long, slow burn is more conducive to creosote build-up. The harder people try to control wood burning in their stoves, the worse the creosote problem becomes." Jester explains that smoke contains creosote-building compounds and although non-airtight stoves may smoke a little, airtight stoves can smoke a lot, especially with an overnight fuel charge.

Jester recommends allowing good air flow to maintain complete combustion at about 1,100°F. in the chamber. This will ensure minimum creosote production, but may make the room too warm. "Control heat output by burning less wood rather than by adjusting the damper," the specialist advises.

The Consumer Product Safety Commission issued a safety alert last year indicating that most wood heating fires involve the chimney and not the appliance. Many of these fires could have been prevented if the chimney had been properly installed and maintained.

The commission advises stove owners to:

- Be sure chimney and stovepipe are installed correctly in accordance with the manufacturer's recommendations and local codes. If there is any doubt, a building inspector or fire official can determine whether the system is properly installed.
- Minimize creosote formation by using proper stove size and avoiding low damper settings that restrict air flow for long periods.
- Have the chimney checked and cleaned by a chimney sweep at least once a year. Inspect it frequently, as often as twice a month if necessary, and clean when a creosote build-up of ¼ inch is noted.

For more information on chimney maintenance, contact Ron Jester in Georgetown at 856-7303.

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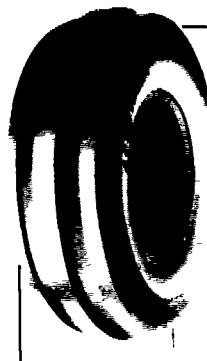

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400 15	$24 00
500 15	$31 00
550 16 4 ply	$33 00
550 16 6 ply	$36 00
600 16 4 ply	$37 00
600 16 6 ply	$41 00
650 16 6 ply	$42 00
75L 15 6 ply	$50 00
750 16 8 ply	$54 00
750 16 6 ply	$50 00
750 18 6 ply	$64 00
9 5L 15 6 ply	$55 00
9 5L 15 8 ply	$60 00
1000 16 6 ply	$80 00
11Lx15 8 ply	$75 00
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14 9x24	6 ply	165 00
14 9x2'	8 ply	190 00
16 9x24	6 ply	190 00
16 9x24	8 ply	210 00
14 9x26	6 ply	172 00
18 4x26	6 ply	235 00
23 1x26	8 ply	525 00
11 2x28	4 ply	115 00
12 4x28	4 ply	130 00
13 6x28	4 ply	145 00
13 6x28	6 ply	160 00
14 9x28	4 ply	160 00
14 9x28	6 ply	175 00
16 9x28	6 ply	220 00
16 9x28	8 ply	240 00
16 9x30	6 ply	230 00
18 4x30	6 ply	270 00
23 1x30	8 ply	650 00
24 5x32	10 ply	750 00
16 9x34	6 ply	255 00
18 4x34	6 ply	299 00
18 4x34	8 ply	325 00
20 8x34	6 ply	459 00
20 8x34	8 ply	510 00
23 1x34	8 ply	689 00
11 2x38	4 ply	140 00
12 4x38	4 ply	168 00
13 6x38	4 ply	179 00
13 6x38	6 ply	198 00
14 9x38	6 ply	224 00
15 5x38	6 ply	225 00
16 9x38	6 ply	279 00
18 4x38	6 ply	325 00
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16 9x24 6 ply	$220.00
16 9x24 8 ply	$235.00
16 9x24 10 ply	$280 00
17 5Lx24 8 ply	$240.00
16 9x28 8 ply	$260.00
18 4x28 10 ply	$340.00
20 5x25 12 ply	Call For Quote
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1300x24 10 ply	$225 00
1300x24 12 ply	$245.00
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1400x24 12 ply	$280 00

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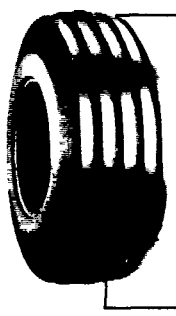

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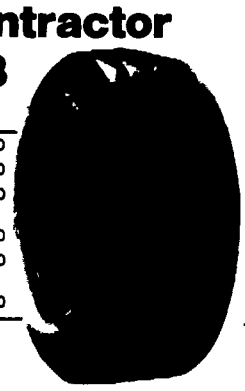

11Lx15 8 ply	$80 00
11Lx16 8 ply	$92 00
11Lx16 10 ply	$98 00
750 800x16 10 ply	$80 00
11Lx16 12 ply	$130 00
145 75 16 1 10 ply	$225 00

22x11 00 8	$38.01
25x12 9	$54 71
18x950 8	$30 65

8 3x24	$95 00
9 5x24	112 00
14 9x24 6 ply	195 00
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9 5Lx15 6 ply	42 00
9 5Lx15 8 ply	44 00
11Lx15 6 ply	43 00
11Lx15 8 ply	47 00
11Lx15 8 ply tubeless	50 00
11Lx16 8 ply	58 00
11Lx16 10 ply tubeless	74 00
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11 2x36	4 ply	137 00
12 4x36	4 ply	165.00
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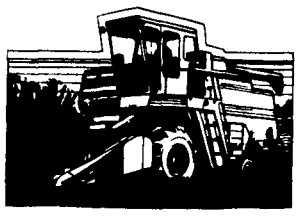

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Farm Women Societies

Lancaster Society 3

Lancaster Society 3 held its November meeting at the Cloister Restaurant in Ephrata with Rachel Hollinger as hostess.

Society members will visit the residents of Conestoga View on Dec. 19. Members also plan to go Christmas caroling on Dec. 8. Caroling will be followed by a meeting at the home of Barbara Wenger.

Vivian Stauffer and Barbara Wenger were appointed delegates to the State Farm Women Convention, scheduled for Jan. 13 and 14 in Harrisburg. Incoming president Erla Gehman of Society 3 will also attend.

Perfect attendance awards for 1985 were presented to Allegra Leininger and Mildred Pfautz. The Kandy Emporium, Neffsville, provided the program.

The Christmas meeting will be held Dec. 21 at Zion United Church of Christ, Lincoln. The group will exchange gifts not to exceed $5 in cost. The program for this meeting will be presented by Clint Hammond.

Lancaster Society 5

Lancaster Society 5 held its regular meeting at Donegal Mills Plantation with dinner and a candlelight tour. About 20 members and their husbands enjoyed the tour.

The Christmas meeting will be held at the home of Mrs. Paul Ebersole in East Petersburg on Dec. 28.

Lancaster Society 18

Lancaster Society 18 met at the home of its president, Anna Esbenshade, for a program on Christmas Crafts by Joyce Linkey of the Mill Store. Joyce also directed the members on making a simple tree decoration.

Reports were made on the County Convention and plans were made for representatives to go to the State Farm Women Convention in Harrisburg in January.

The December meeting will be at the home of Mrs. Dorothy Brubaker, 820 Hillaire Road, on Dec. 14.

Guests attending the meeting were Linda Esbenshade and two of her daughters.

Lancaster Society 11

Lancaster Society 11 met at the home of Margaret Swarr on Nov. 21.

After a business meeting, Mrs. Charles Gochnauer and her daughter Mrs. Herr displayed beautiful dried flower arrangements and explained how to make them.

The next meeting will be held Dec. 26 at the home of Helen Shaub.

Lancaster Society 28

Lancaster Society 28 met on Nov. 21 at the Blind Association for a tour of the building.

New officers are president, Thelma Hess; vice president, Ruth Mellinger; secretary, Dorothy Kreider; and treasurer, Nancy Landis.

The State Convention is planned for Jan. 13 and 14.

On Dec. 12 members and their husbands are going to the the Fulton Theater to see the play "The Christmas Carol." A Dutch treat at Willow Valley will follow.

Berks Society 4

Berks Society 4 held its November meeting at the home of Marguerite Rush. Holly Green gave a slide presentation on tombstones, explaning the differences in styles from the 1700's through the 1900's.

During the business meeting which followed, the group gave a $25 donation to the Richard and Virginia Marks Fund.

Members of the group will be making Christmas stockings for the residents of Berks Heim. The group will also donate gifts for stocking stuffers.

The December meeting will be a Christmas party at the home of Charlotte Mauger.

Berks Society 6

Berks Society 6 recently met in the home of Mrs. Merrill Hetrick, Limekiln. Ron Grove from the GPU Nuclear Corporation, Middletown, spoke about nuclear power.

Members met three times in the home of Janet Schlegel to make Christmas stockings for Berks Heim.

The group gave a donation to the Richard Marks family whose home was destroyed by fire. Kirk Fisher also received a monetary gift toward his trip to Kentucky with the 4-H Livestock Judging Team.

Ruth Hartman and Joyce Mast were appointed as the auditing committee. Naomi Mest will be the new treasurer due to the resignation of Bessie Rapp.

The Christmas party for members and their husbands is Dec. 7 at 7:30 p.m. at the Yellow House Hotel.

The next meeting will be at 7:30 p.m. on Dec. 17 in the home of Ruth Hartman, Limekiln, for a short business meeting and to fill stockings for shut-ins.

Berks Society 11

Berks Society 11 held its November meeting at the home of Shirley Lentz. Eight members attended.

The program, talents you were born with, revealed a wide variety of talents among society members.

President Wendy Lingle conducted a business meeting. The group decided to send stocking stuffers to Berks Heim. The new member, Judy Swope, was initiated into the group. Final plans were made for the Dec. 7 Christmas party.

The next meeting will be a gift exchange at the home of Doris Brown on Dec 30

Green Valley Society 26

Green Valley Society 26 met at the home of Athena Beshove for its November meeting. The group sent a donation to the Mental Health Association of York County.

The next meeting will be held at the home of Ruth Hake, York Haven. Members will exchange Christmas gifts at this meeting.

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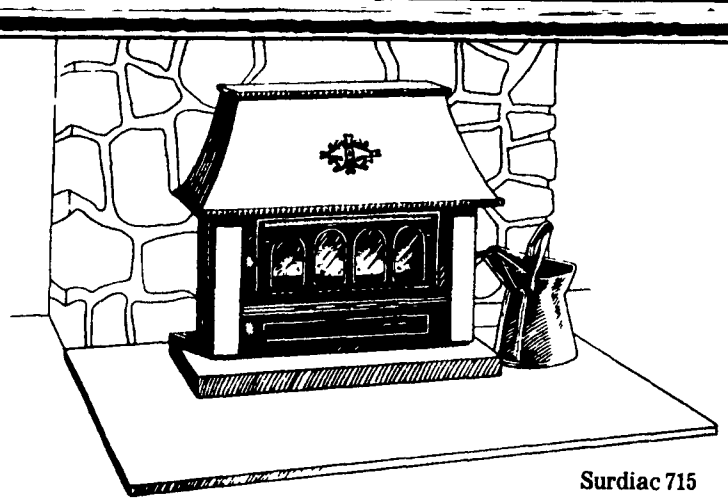

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Montgomery farmer receives conservation award

CREAMERY — Edmond Winnies of Limerick, a hard-working dairy farmer who seldom gets a chance to leave his farm, found reason to put aside his milking chores for an evening, the first such time in 42 years.

Mr. Winnies was awarded Montgomery County Conservation District's highest award to a farmer — the Outstandig Conservation Cooperator Award. The award ceremony took place at this year's Grange Farm-City Banquet in Trappe. This is the fifth time this award has been presented by the District, since its formation 28 years ago.

Winnies, who operates a dairy farm on Heffner Road near Limerick, immediately gave credit to his wife, Helen. "My wife deserves half of the award. Without her helping with the operation, I wouldn't be able to keep farming," he said.

It was in the early 1940's that Edmond started his first conservation work involving strip-cropping.

These strips are still in place today. He is proud of the picturesque contours of alternating crops in his field, they, like the rest of the scenic farm are neat and attractive.

But Winnies is more concerned with soil erosion than looks. The stripcropping helps control erosion. Ed has worked too long and too hard on this land to see it wash away. Since the original strips were installed, he has added diversions, waterways, and storage terraces to further control erosion.

The Winnies, like other farm families, have felt the poor farm economy in recent years. It hasn't changed their concern for soil conservation, though. With the help of Bill Van Fossen, soil conservation technician for the USDA, Soil Conservation Service, Ed has learned to build his conservation practices inexpensively using his own equipment.

In 1981, the Winnies added a manure storage facility on the farm. Ed did much of the work himself. The earthen facility enables better management of his animal manure, which is so important in growing his crops. By staying off the fields when they are wet or frozen, the manure won't wash into the streams. Timely manure application ensures more fertilizer value as well.

Ed Brzostek, District Conservationist for the USDA, Soil Conservation Service concluded, "It has been a pleasure to work with farmers such as Ed, who realize the continuing need to conserve and protect their farm resources."

Ed and Helen Winnies display an aerial view of their award winning Montgomery County farm.

Penn Manor FFA

A group of Penn Manor FFA students attended the recent National FFA Convention in Kansas City, Mo. The following students represented the chapter there: Toby Shank and Duane Hess, who both received a bronze emblem in poultry, and Bob Barley, who participated in the meats contest.

From the senior class, Dannel Hess received a gold emblem for showing heifers; Sue Hoover and Rodney Nissley received gold emblems in showing swine.

The following students represented the senior class: Tracy Best, John Burkholder, Dannel Hess, Dave Hess, Jere Hoover, Troy Musser, Rodney Nissley, Mike Smith and Victor Ressler.

Using his moldboard plow, Winnies built this diversion strip in September.

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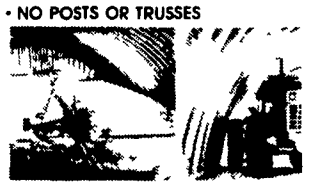

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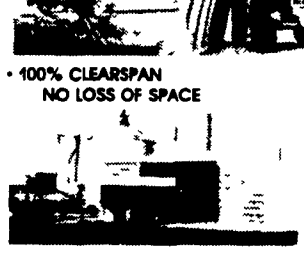

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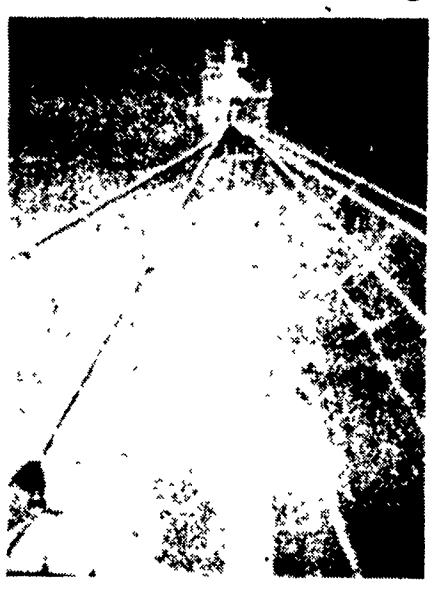

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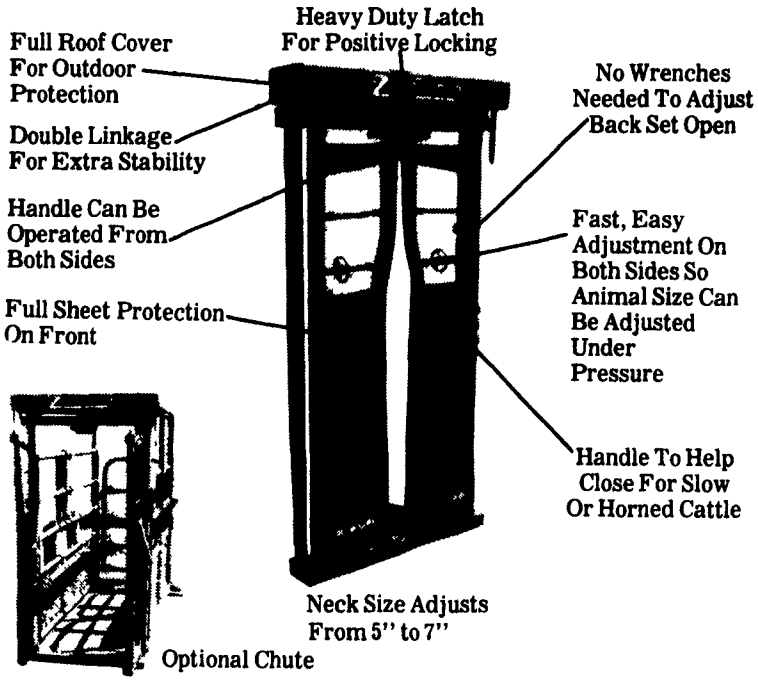
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Preschoolers learn food attitudes from parents

CAMP HILL — Are you one of those harried mothers who has a preschooler at home? And does this preschooler have definite ideas about what he likes and doesn't like to eat? And do these ideas send you up the wall?

Happy mealtimes are a family affair. What the young child learns about food, his likes and dislikes, and the mealtime climate all help to mold your child's attitudes about eating.

Serve your child a variety of foods each day in small portions to help your youngster get to know and like the foods he needs throughout life. For example, three child-size portions, per day, from the milk group, two from the meat group, four from the fruits/vegetables group, and four from the grain group.

Servings that are too large can be the beginning of overeating for your youngster. For the two-to-three year old, try a six-ounce cup of milk; three to four ounces of juice; one medium egg; about as much meat as a cooked patty three inches across; two tablespoons cooked cereal or ⅓ cup ready-to-eat cereal; ½ slice bread; and ½ medium apple, tomato, or orange.

For the three-to-six year old, a six-ounce glass of milk; four-ounce glass of juice; one medium egg; about as much meat as a cooked patty three inches across; ¼ cup cooked cereal or ½ cup ready-to-eat cereal; one slice bread; and ½ to one medium apple, tomato, or orange.

Many preschoolers like snacks because they seem to use up more food than they can eat at mealtimes. Some well-chosen snacks are milk, small pieces of fruit, cut-up raw vegetables, cheese cubes, crackers spread with cheese, and hard-boiled eggs.

Easy-to-use utensils encourage self-feeding by the very small child. Spoons and forks with short straight handles, a low broad-mouthed cup with a wide handle, a plastic cereal bowl with divided compartments are all easier for a child to manage.

Bright-colored foods — orange carrots, green peas, red tomatoes — catch young eyes. And new foods bring new tastes, colors, and textures. A child who has frequent opportunities to try new foods early in life will probably continue to accept new foods in later years.

These new foods should be offered one at a time, and only small tastes should be expected at first. It may help the child to accept new foods if they are accompanied by familiar or favorite foods. Letting the child see one or both parents enjoying the food will also help him make the transition.

If the child balks with a new food, avoid forcing him to eat it. Forcing food does not teach good food habits — it only proves you're bigger than the child. Instead, make a variety of foods available, be casual about your choice, and let your child decide which food he'll try.

Young children often have strange notions about foods that will quickly appear — and just as quickly disappear. It makes little sense to make a fuss over these notions, since they will probably be soon outgrown. Pay no attention and set a good example yourself by what you eat.

It does well to remember that appetites may vary from meal to meal, and from day to day. A child's stage of growth, activities, and state of health influences how much he eats. If the child is overtired, excited, in strange surroundings, or if the routine has been changed, appetites may lag. At times like this, it may be a good idea to let the child set the table, put food on the plate, and pour milk. These activities give a child an increased sense of usefulness and may increase his appetite, as well.

A parent should remember that a child is one of a kind; an individual — different in some ways from all others, alike in other ways. It is wise to respect each child's personality and to expect differences in the way one eats, grows, feels, and thinks. Good food experiences early in life wil probably mean healthy respect for food later on.

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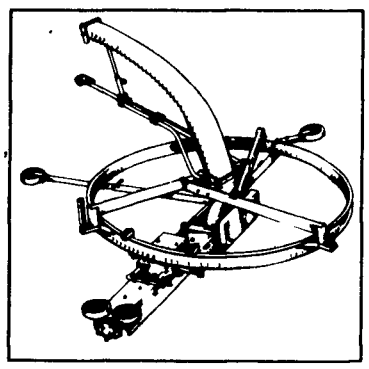

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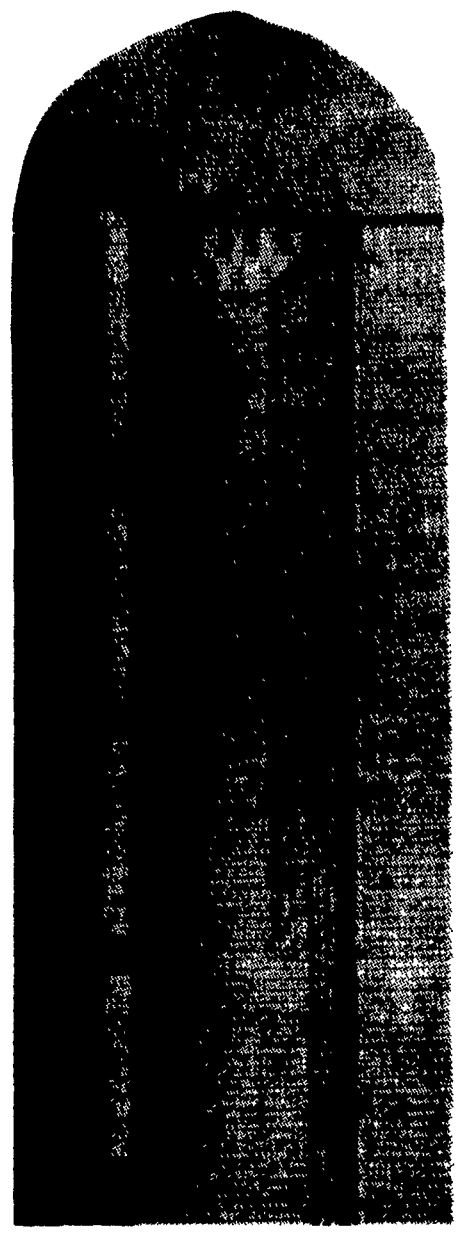

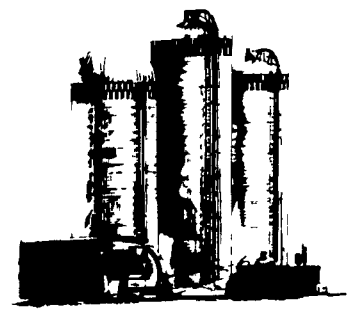

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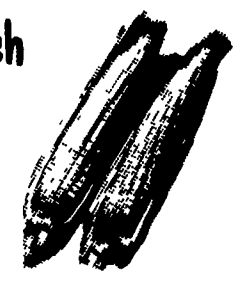


For the avid gardener

FLEMINGTON, N.J. — A new houseplant can be a disaster instead of a pleasure. In spite of controls used by plant suppliers, insects may be part of the purchase. The changing environments from greenhouse to shop to home may cause problems. It pays to take some precautions with new plants.

Look over intended purchases for insects. Mealy bugs, scale and white fly would be most obvious. Also look for signs of insects—discolored, distorted, or sticky leaves. New plants should always be "quarantined" for a month or so to make sure there are no insects that might spread to other plants.

Apparently perfect new plants may develop problems shortly after they have been brought home, and no insects can be found. Some plants respond to a change in environment with yellowing and dropping leaves. If a new plant was chosen with its new location in mind, it will eventually adapt to the change. A gradual transition to different light level (especially low light) can help.

Yellowing, browning, dropping leaves could signal a more serious problem. Because of frequent watering, commercial growers use more intense fertilizer applications than the home situation requires. In the home setting, when the plant is maintained drier, the salt levels in the potting mix of a new plant may damage roots and leaves. It is a good idea to water a new plant generously when it's brought home to wash excess salts away from the roots. There's generally no need to feed new plants.

The foil used to decorate gift plants can be deadly, preventing proper drainage and leading to soggy "soil" and rotted roots. Poke holes through the foil at the drainage openings as soon as the plant arrives.

Early precautions won't quarantee no problems, but at least a new plant will have a fair start.

Holidays offer a time to teach children the joy of giving

YORK — The holiday season is a time of sharing, with good cheer and gifts for friends and family. Traditionally, the bulk of the gifts and surprises are lavished on children. However, the holidays also are a good time to help children learn how to give as well as receive—all the way from the good intentions to good money management.

"Children need to have an active role in gift giving," says A. Joan Lamberson, Extension home economist. "With a little help from parents, children can learn good spending habits, as well as the value of money and time."

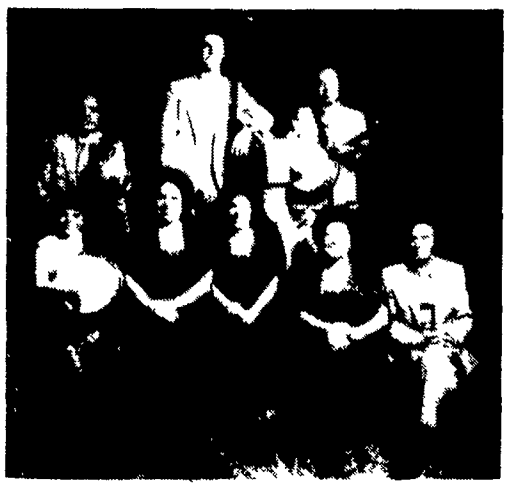
Homemade gifts from children are often most appreciated, says Lamberson. Parents can encourage children to plan creative projects and carry them out. A special shopping trip just for buying children's crafts supplies is a good start to a successful project. "If you're running through crowded stores trying to do your shopping also," explains Lamberson, "then your children will be distracted, get tired and lose interest in their project."

Choosing an appropriate time of day and limiting the trip to one or one and a half hours will contribute to a successful shopping trip. Of course, the best time to shop is early in the season before the crowds hit the stores for Christmas shopping.

However, early morning and mealtime hours are relatively slow even during the holiday season. "If you have young children who become irritable when they're hungry," advises Lamberson, "you may want to give them an early meal or nutritious snack and then go shopping during the meal hour."

An empty pocketbook can be just as disasterous as an empty stomach for children trying to select supplies or gifts. Parents can help children avoid frustration by working on a plan before any shopping begins. Store displays and advertisements can overwhelm children trying to select a gift. Drawing up a list and setting a firm budget in advance can help parents as well as children maintain some control of the shopping trip.

Within established guidelines, Lamberson advises that parents remain flexible with their childrens' gift giving plans. "Parents should try to guide and advise, rather than direct and dictate what children buy. Children will usually make wiser decisions and feel a sense of accomplishment if parents allow them to learn from their mistakes and their successes."



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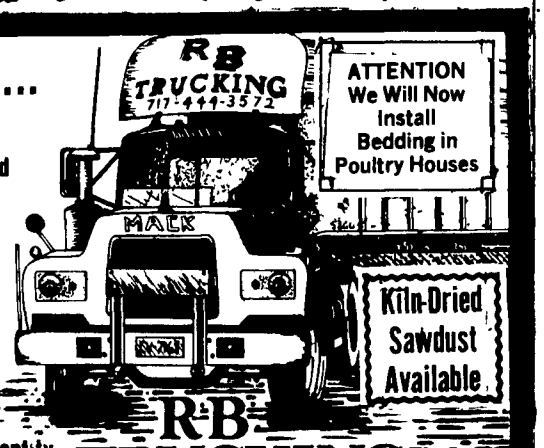

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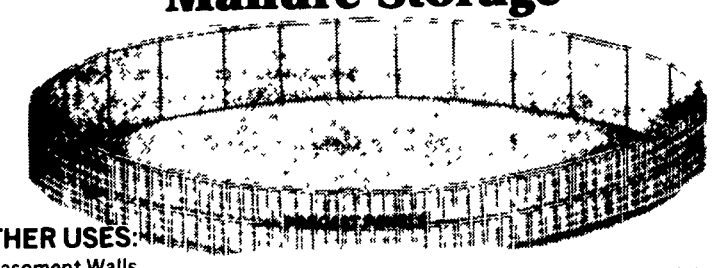

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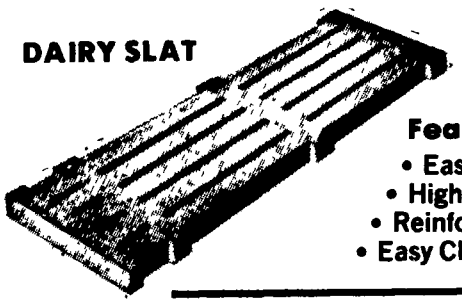

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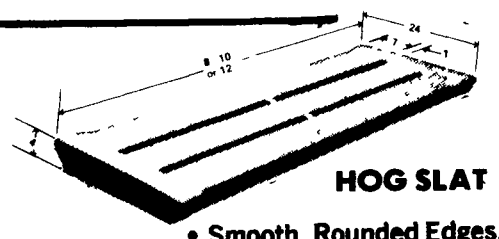

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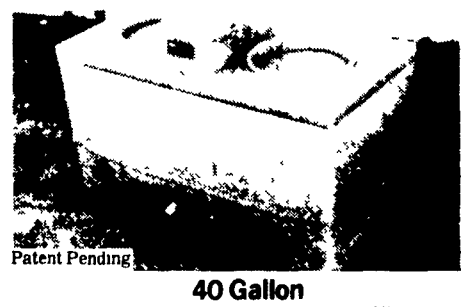

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8 CATTLE

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Saturday, March 15, 1986
Registered or Quality Grades Wanted

For Consignment Information, call:
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For Sale: Registered Holstein heifers of Sire Power breeding, 3 Springers and 5 Short Bred or 5 Open ready to breed. 301-861-8273. Braunside Farms. Finksburg, MD.

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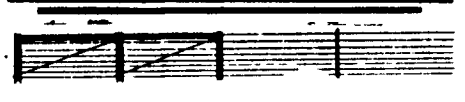

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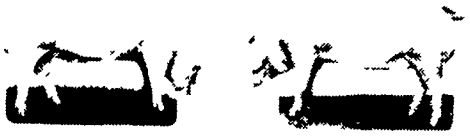

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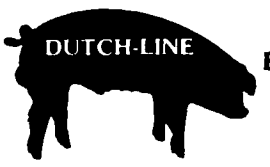

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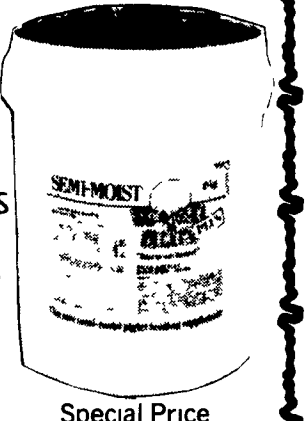

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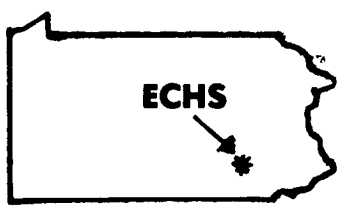

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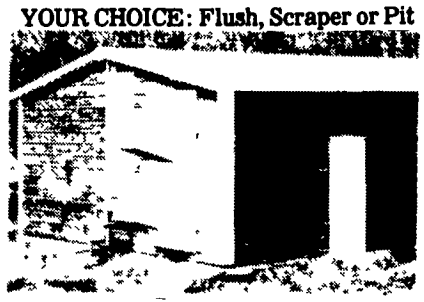

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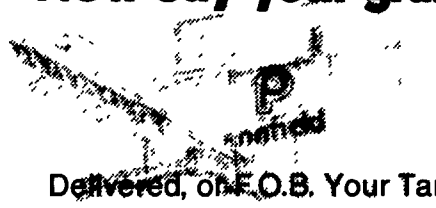

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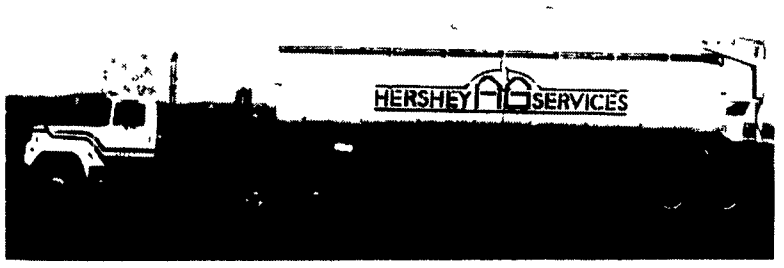

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does not just happen. It takes very good management in every area. We give a money back guarantee in writing to increase production, reduce breeding problems, and in most cases cut feed costs, thru analyzing and evaluating your feeds and proper sire mating.
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Wet Brewers Grain - Sawdust
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15 FEED AND SEED

Will buy moldy grain. 301-833-1847.

32% liquid protein, wholesale/retail from manufacturer. Dealer inquiries invited. Call collect, 301-343-0343.

Choice Timothy & Alfalfa, Timothy & Clover and Timothy Hay
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WANTED
Top Quality Horse Hay & Straw
C.M. Schnelle
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WANTED
Good quality Ear Corn. Paid at scale.
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Will Deliver
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for current prices
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CENTRAL BUCKS FARMS RYE SEED
*$2.50/bu. bin run
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Good germination.
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For Sale: 200 Gallon Growers Liquid Fertilizer. $4.75/gal. Can deliver. Heavy wooden pallets, $1.50 each. 4RN A.C. corn head, $1,000. 4RN White air corn planter, $800. 315-539-2764.

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Fermented Poultry Waste
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Fertilizer Dollars
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University & USDA Tested and Proven!
COMPARE OUR ANALYSIS

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78-80 + ENP (effective neutralizing power)
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Now For Greenhouse Crop.
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WANTED: Someone to sell my homegrown celery at Philadelphia or other farmers market. 717-653-5344

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Kubota FL1072, 60" Rotary Tiller, $650 717-569-3359.

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21 SERVICES OFFERED

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Specializing in Pole Bldg's
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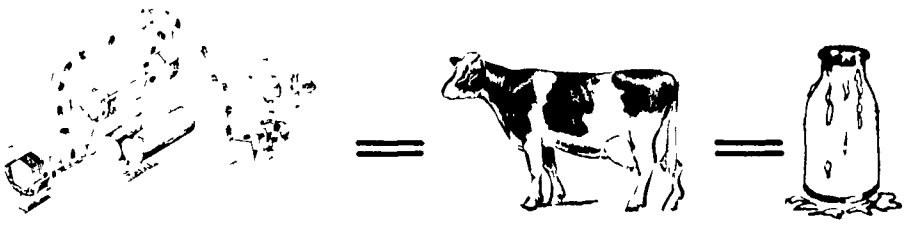
Dairymen Who Have Changed To Textureated Feeds Get Better Results



TEXTUREATED FEED = QUALITY IN = $$ OUT

What Is Textureated Feed ?
High Quality Coarse Feed. Kernels Cracked Without Fines. Cobs & Husk Ground For Maximum Digestibility.

Dairy Farmers Using Textureated Feed Have Increased Profits And Better Utilized Home-Grown Feeds.

'Using the Textureator gives me flexibility that I didn't have before Flexibility to blend a specialty feed at a low cost Flexibility is one of the most important advantages as far as I am concerned Flexibility to better utilize our home grown feed " *Richard Fox, Dairy Farmer*

"My butter fat was holding at 3 55 before I went to Textureated feed Now, it never goes below 3 70, and it is usually between 3 8 and 4 0 On my 40 cow herd this means over $4,000 00 a year more on the milk check " *J Wilmer Conrad, Dairy Farmer*

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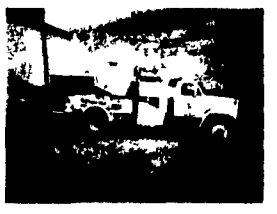

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LANCASTER CO.
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21 SERVICES OFFERED

BRADFORD'S HOOF TRIMMING. 301-378-4603 or 301-838-5105.

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J.B. Hydro Cleaning
Mobile High Pressure Water Cleaning
Masonary, Tractory Trailers, Mobile Homes, Heavy Equipment, Chicke Houses, Calf Houses, Barn & Pig Pens.
William Heidig 717-393-5189
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LIQUID MANURE HAULING
York and Surrounding Counties
DALE MILLER & SON, INC.
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22 CUSTOM WORK

Little Boston Manure Hauling will haul wet or dry. Call for details. 215-593-5676

22 CUSTOM WORK

Mill Creek Conveyors
We Custom Build Double Chain wooden Conveyors And Tapered Board Feeders
Samuel K. Stoltzfus
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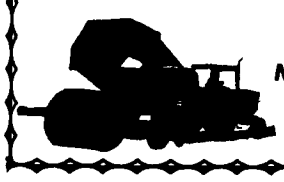
CUSTOM ROUND BALING
(Hay, fodder, soybean rind, straw)
Bale size: 5' long x 39" to 72" diameter.
$3 - $6 per bale
Nevin Kegerreis
Lititz, PA
717-626-5469

CUSTOM ROUND BALING
Lancaster and Surrounding Counties
4¾x5 bales $3.00 to $3.50 per bale includes tractor & bale fork to move bales while baling



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Custom Ag-Bagging
By using the Ag-Bag Machine on a custom work basis you get quality forage you would expect with an oxygen limited silo, anyone with storage shortage at a low cost per ton of feed.
We set up the Ag-Bagger Machine for custom bagging.
More than one Ag-Bag - you get a discount.

23 HELP WANTED

Put your herd of 70 cows in my facilities and do no field work. I supply the feed. Harvestore system and house included. Write: Marshall Brooks, P O. Box 30, Centre Hall, Pa 16828.

Someone to dismantle old barn and stack materials. Southern Chester Co. 215-255-5070.

Will sell herd and lease farm. Charles I. Reed, R.D.3, Box 73, Reynoldsville, Pa. 15851. Jefferson County.

Person to work on dairy farm, experienced in milking cows & field work. References required. No house. 717-786-2778.

Prefer part-time Christian worker for dairy farm in Berks Co. Should have some experience. House available if needed. 717-933-5771.

Prefer young Christian couple to work on modern dairy farm. Housing provided, excellent starting weekly salary, paid vacation and every other weekend off. Must like to work with cows and help out with general farm work. Send resume to Box I, Bird-in-Hand, PA 17505.

HELP WANTED: Worker for modern dairy farm, must be good milker and able to run farm machinery. Housing provided. 301-348-5640.

HELP WANTED: Herdsperson for a 200 cow dairy in Southern Chester Co. House, good salary, benefits. Reply Lancaster Farming, P.O. Box 366, A-78, Lititz, PA 17543.

HERDSPERSON: Experienced preferred. Registered and Grade holsteins, milking parlor. Lanc. Co. Lancaster Farming, P.O. Box 366, L-87, Lititz, PA 17543.

Help Wanted to strip Tobacco. Transportation arranged for Amish. Millersville area. 717-872-7801.

Help wanted on Lancaster County dairy farm, new 60 cow stall barn, must enjoy cows, Quarryville area. 717-786-3992

Lancaster County DHIA has a testing circuit open in the Gap area. Available December 1st. For more information contact Jay Mylin, 717-665-5960.

Married person to work on steer & crop farm. Must have recent experience operating modern farm equipment & be able to repair & maintain machinery. Modern house & privilege. References required. Chester Co., 215-869-2527.

Person for dairy & general farming operation near Lancaster. Reply to Lancaster Farming, PO Box 366-A-77, Lititz, Pa. 17543.

Person for milking at modern dairy operation. 717-665-4415.

Person to manage livestock auction, 1 or 2 days per week. Stewartstown-/New Park area. Phone 215-566-3239.

Sell Animal Health Supplies
farm to farm.
Must have dairy farm experience and be aggressive. Guaranteed salary plus commission and excellent benefits.
Call:
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Fertilizer Company in southeastern PA is interested in hiring a farm oriented person to operate fertilizer application equipment. No experience necessary, excellent salary & benefits.
Call Collect
Moyer & Son Inc.
215-723-6001
Ask for Ken

SALES POSITION OPEN
To travel central Pennsylvania. Representing established wholesale distributor of farm equipment, lawn and garden equipment and hardware lines, calling on dealers of above equipment. Draw against commission, medical and fringes.
Reply To
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PO Box 366, R-61
Lititz, PA 17543

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FULL TIME PERSON to drive and work w/Amish carpenter crew. Apply to Spring Garden Builders or call 717-442-9622 eves.

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Manufacturer of new and unique hand tools for bending and forming steel for the farm and repair shop.
Must be willing to sell to businesses and consumers directly. Looking for people, not paper.
Call for interview:
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For Large Regional Farm Weekly Newspaper
Ag background necessary. Excellent salary. Send resume and samples of work to:
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LANCASTER FARMING
P.O. Box 366
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Person for direct Sales and Service of livestock Pre-Mixes. Must have thorough knowledge of Dairy Nutrition and be able to formulate.
This is a company you can make a life long career. Complete fringe benefits.
STARTING SALARY RANGE
$35,000 to $40,000
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Help Wanted
Applications now being accepted from responsible persons who desire a career working with people in cattle artificial insemination sales and service. Preferred: High school education (college credit given extra consideration), ag background, safe driving record, willing to relocate in PA, above average income, fringe benefits, equipment furnished, paid training and travel allowance. Forward resume to:
Atlantic Breeders Cooperative
1575 Apollo Drive
Lancaster, PA 17601

Erosion control inspection and compliance engineer position available at the Bradford Co Conservation District
Responsibilities Include: Providing technical consultation to staff in multi county area in fields of erosion sedimentation control pollution control nutrient management and land use
Requirements Include: A Bachelor's degree in agricultural engineering, agronomy or related environmental resource management curriculum awarded by an accredited college or university have an engineer in training certificate One year resource conservation program experience preferred
Full details available upon request All qualified applications resumes and reference material, accepted until Dec 27 1985
Send to
Bradford Conservation District
Ward Building, RD 5
Towanda, PA 18848
717-265-5539

Dairy Farm Worker for modern milking parlor, free stall setup. Must be experienced milker & cow person. Must possess general dairy farm experience. 6 Day week, paid vacation, paid hospitalization. House & utilities supplied. Pay commensurate with experience. 201-647-2575.

Couple to milk and feed registered dairy herd. Approx. 65 head. Good pay, health insurance. Vincentown, NJ. 609-859-2620.

24 SITUATIONS WANTED

WANTED TO RENT: Dairy barn w/house for herd of cows in Lancaster or Lebanon County. 717-738-1359

25 BUSINESS OPPORTUNITIES

$5,000 plus a month. No experience needed. Call 717-626-1250 for a recorded message.

26 HOUSEHOLD

Better'n Ben, 2000' heating capacity woodstove, like new, $295. 717-656-6507.

2 Gas Stoves, one 10 burner, one 6 burner w/griddle. $450 each. 215-445-4410.

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AKC Great Pyrenees puppies. Raised with stock. Excellent farm dogs. Shots & wormed. Will be available for Christmas. 717-244-7307. York Co.

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$ $ $ $ $ $ $ $
MONEY FOR PUPS
in litter lots for resale in my pet shop. Will pick up. Cash paid.
Call
Charlie Hackett
mornings
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FOR SALE
Redbone Coon Puppies, UKC Registered.
3 males born 5/28/85.
Dam: CH Millers Valley Cookie.
Sire: PRN Chapel Rock Ranger, top breed.
Frank Hodick
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AKC black/yellow lab. ret. pups. Shots and wormed. Elam B. Stoltzfoos, 91 Hess Rd., Leola, PA 17540.

AKC German Shepherd puppies, black & tan. Championship bloodlines, good temperment. 717-837-3132.

WANTED Puppies For Pets
AKC, Purebred, Mixed Litters.
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Transportation provided
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Paradise, PA 17562
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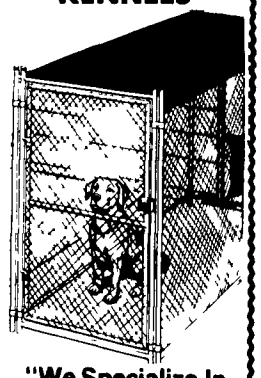

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Singles To Large Complexes
Apply To:
Quality Fencing & Supply
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PUPS WANTED
by Jo Jo
The Dog Man
$ Top Dollar Paid $
I Need 557 Pups
Tues., December 10

I need puppies to 8 weeks old every Tuesday evening from 5-8 PM at Root's Farm Market 4 miles south of Manheim, off of Rt 72, Manheim, PA

SPECIAL NOTICE
There will be a $100 prize for the cutest pup purchased Tues., Dec. 10.
* Because of the Holidays I will pick up pups on Monday morning, Dec. 23 starting at Kirkwood, Quarryville, Georgetown, Strasburg, Intercourse, White Horse, Blue Ball, New Holland, Ephrata, Manheim and Morgantown Areas.
Phone
1-800-523-1348
before 9 am for details

Pure and Mixed Breeds Purchased
Phone
609-452-8903
before 9 AM for best results.
Keep trying other times.
P.S. Pup Stand Closed Jan. & Feb. 1986.

32 MISCELLANEOUS

185 moving quilts, 72x80, $6 a piece. 215-646-9057.

CASH for your piano or sell on consignment. Call Ken at 717-392-3233.

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For Sale: Sawed locust post. Also cherry lumber, 1,850 bu. ft. and firewood cut 15" to 24" long, 4 cord. $275. Deliver. 717-532-6619

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For Sale: Top Buggy, rubber tire, good condition. Call evenings. 215-445-4490

For Sale: Used livestock pasture fencing, 200'±, some excellent condition, some fair. Lanc. Co., 215-267-2323.

FOR SALE: New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by appointment. Myers's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169.

For Sale: Commercial quality butcher handsaws. $22.00. Also, blades in stock. UPS shipping. 717-733-0511. Martin's Sharpening, R.#1, Ephrata, PA 17522.

Bandsaw Blades made to order. Wood, metal or meat cutting. UPS shipping. 717-733-0511. Martin's Sharpening, R.#1, Ephrata, PA 17522.

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Excess concrete poles, cut to your size, $2.00 a ft., FOB East Stroudsburg.
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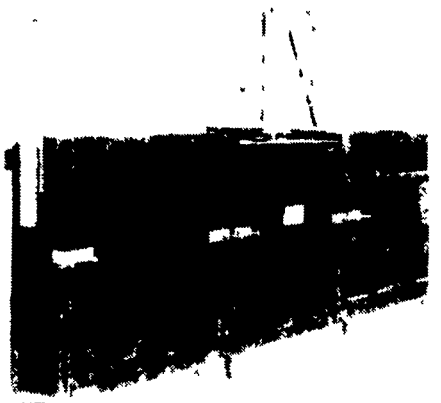
FREE: Old wet sawdust, located in Downingtown, Pa. We load, You Haul. Ed Vogt. Medford, NJ. 609-654-7489

Kallamazoo Champ Range, white, 4 plates, 1 griddle, has shelf and water tank. $400. 717-755-5870 after 5 p.m.

MARYLAND TOBACCO



"The Art of Baling Becomes A Reality" over the course of history. Maryland tobacco has found its way to market in a variety of forms. From barrels to burlap sheets, to tied leaves. Now, a new method has been designed which makes packed tobacco more manageable.

A baling box machine can be used which puts up tobacco in 22 inch bales that weigh 75 to 80 lbs. These can easily be stacked or stored.

The basic machine is a three-bin model where tobacco is laid in according to grade. The tobacco is compressed into bales by use of an hydraulic cylinder powered by air. A jack type system can be used for those who may not have electric available. After the bale is compressed, it must be tied with cotton twine.

The use of the three-bin press allows more tabacco to be processed in less time.

For more information and details on these new tobacco press units - Call LANCASTER SILO CO., INC. We have units in stock for sale.

We have cotton tobacco twine in stock.
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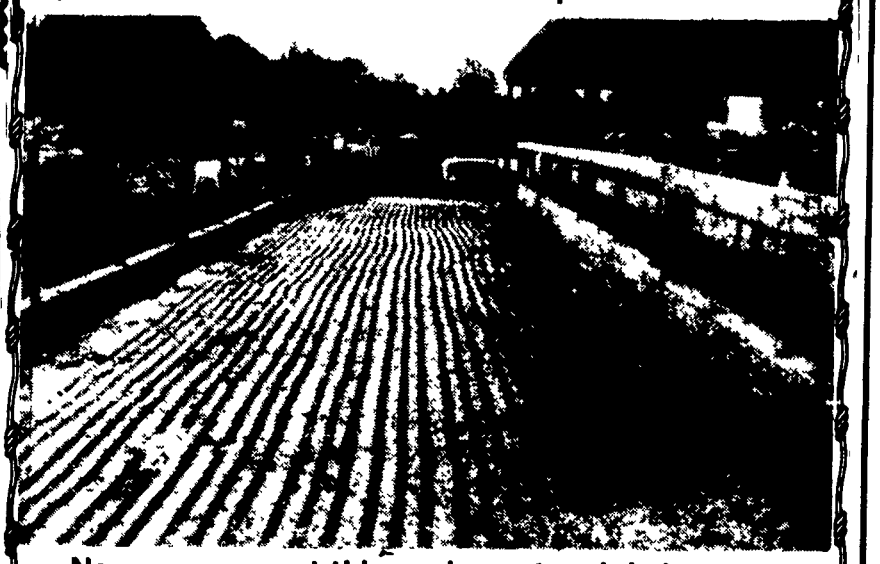
SAVE VALUABLE COWS FROM FALLS ON SLICK CONCRETE

Scabbling has become the most efficient way to end slick concrete problems. Hundreds of farmers have found it both effective and economical.

We have developed the right equipment at the right price with the know-how to back it up.



Now you can rent this equipment and do it yourself or we will contract to do the job for you. Call us collect for more information.

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Self-Contained Composting Toilet
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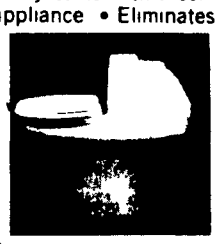

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30 COMPUTERS

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Oct 8	Agricultural Software on the Macintosh
Oct 22	Agricultural Software on the IBM
Nov 5	Layer Management on the IBM
Nov 12	Agricultural Software on the Macintosh
Nov19	Fertilizer/Grain Company Software
Dec 3	Agricultural Software on the IBM
Dec 10	Orchard Software on the IBM (at York)
Dec 18	Agricultural Software on the Macintosh

the Office Works Computer Centers

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All seminars will be at **1706 Hempstead Rd, (Greenfield Corporate Center), Lancaster.** Call Carol at **717-397-7721 or 1-800-447-1200** to register or if you need more information. If you have already missed the seminar you are interested in, call us. We will be happy to help you.

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Thermo control, automatic draft wood stove with water coils for hot water, baseboard heat. Almost new, $475. Bucks 215-536-6094.

WANTED: Warm Morning Shop Stove, model 524. State condition and price and location. Jonas F. Beiler, 70 S. Weavertown Rd., Ronks, Pa. 17572.

34 AUTOS

For Sale: 1980 VW Dasher, diesel Station Wagon, 4 speed $1,995. 717-865-3488

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1974 GMC school bus, immaculate. Call 201-735-8389 after 6:30 PM.

35 TRUCKS AND TRAILERS

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For Sale: 60,000 lb. construction trailer, air brakes 717-899 6080

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1968 Ford N1000, S/A truck tractor w/220 Cummins diesel engine w/new batteries, good running condition. $1,800. or Best Offer. 201-359-5934 evenings

1971 Ford 350 series cattle truck, $3,295. Call 717-292-1111 evenings.

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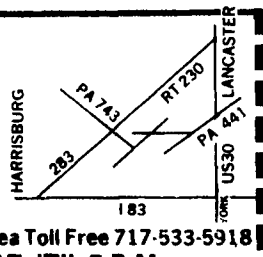

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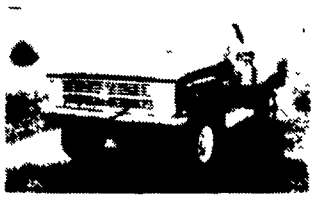
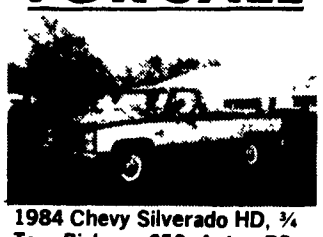
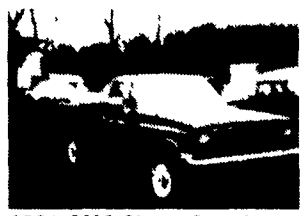


1984 Chevy HD ¾ ton 4 Wheel Drive Pickup 350, 4 Speed PS, PB, Air, AM/FM, Dual Tanks, 8600 GVW, Reg. Gas 26,000 Miles. $10,700



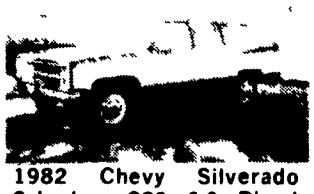
1984 Chevy Silverado HD, ¾ Ton Pickup, 350 Auto, PS, PB, PW. PDL. Cruise, AM/FM, Dual Tanks, 8600 GVW, Reg. Gas., Ex. Cond. $9,950



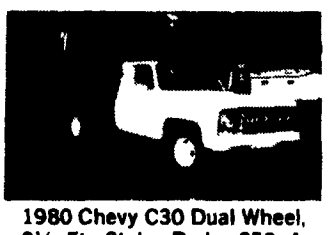
1981 GMC Sierra Grande ½-Ton 4-Wheel Drive Pickup, 6 Cyl, Hd 4 Speed PS, PB, AM/FM 45,000 Miles $6,500

1983 Chevy Scottsdale ½ Ton 4-Wheel Drive Pickup 305 Auto, PS, PB, AM, FM, Ex. Cond. $7,950

1984 Ford F150 Super Cab Pickup, 302 Auto, PS, PB, 6250 GVW, 9,000 Miles, Like New $9,450

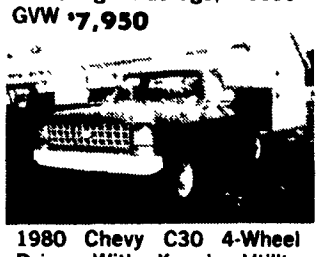


1982 Chevy Silverado Suburban C20 6.2 Diesel Auto., PS, PB, PDL, Dual Air, Cruise, Tilt Wheel, AM/FM Trailering Package, 8600 GVW $7,950



1980 Chevy C30 Dual Wheel, 9½ Ft. Stake Body, 350 4-Speed, PS, PB, 9,000 GVW $5,950

1981 Ford F250 ¾-Ton Pickup, 351 Auto., PS, PB, 7500 GVW Radial Tires, Ex Cond $5,400



1980 Chevy C30 4-Wheel Drive, With Koenig Utility Body, 350 4 Speed, PS, PB, AM/FM, 9,200 GVW $6,950

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35 TRUCKS AND TRAILERS

1972 Int. 1600 w/345 engine, 18' Morgan van, nice shape, transmission rebuilt, low miles on engine overhaul, new set of recaps on rear, new inspection, $4,750. York Co. 717-792-9930.

1972, 26' Penn dump trailer, new brakes and drums, good floor, $7,000. 814-842-6185.

1976 Dodge 300 truck w/318 motor, good rubber, good brakes, new clutch, 11,000 GVW, 8x10 dump bed. $2,450. Mifflin Co. 717-899-6121.

1976 Mercedas 1113 truck, 80,000 miles, 25,000 GVW, good rubber and truck is excellent. $3,750 Firm. 215-683-7943.

1978 Ford 2 ton rollback; 1975 Int. grain dump; Steel demolition trailers; Trash transfer trailers. Priced to Sell. 814-623-9696

1980 GMC 7000, cab & chassis, 102" cab to axle, completely rebuilt Detroit 4-53 turbo, 5+2, PS, 900x20 tires, clean truck. Bucks Co., 215-297-8354.

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Ford 1977 LN800, 391 V8, 28,000 mis. on motor, 5/2SP, PS, 1000x20 tires, 217" wheel base w/22' Duralite van body. Will sell with or without body. 301-877-9889.

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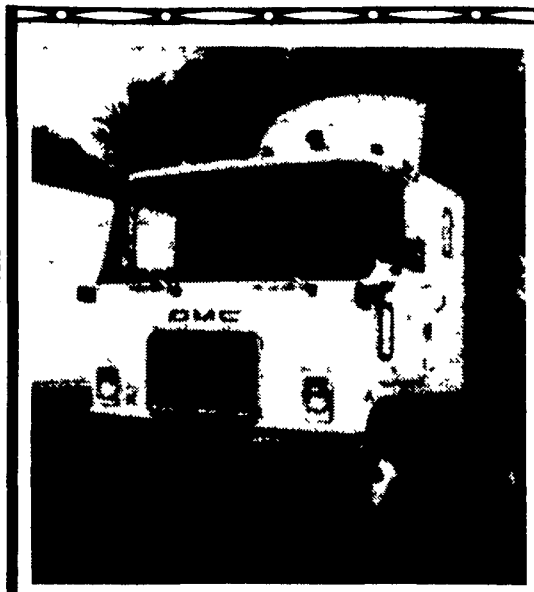

1979 GMC ASTRO
NTC 350 New Overhaul, RT 1110
10 Speed, Jake Brake,
142" W.B., Radials 11x24.5
$19,500.00

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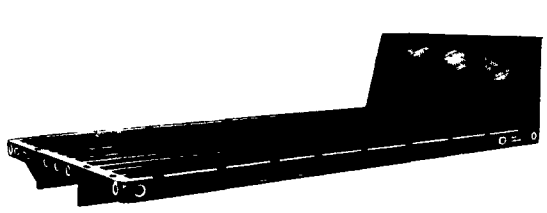

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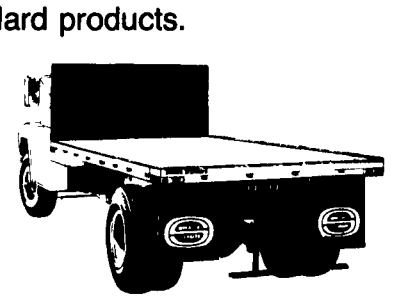

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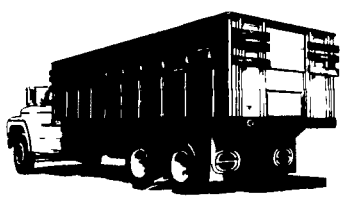

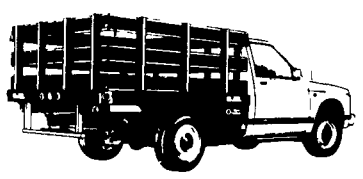

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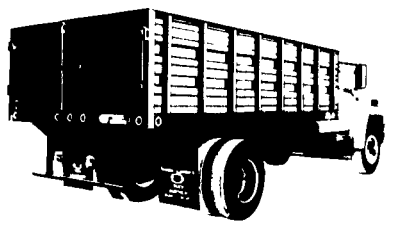

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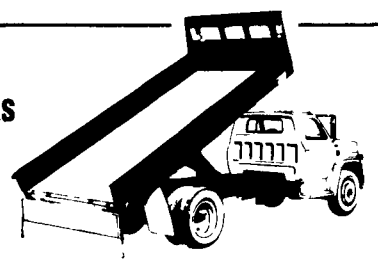

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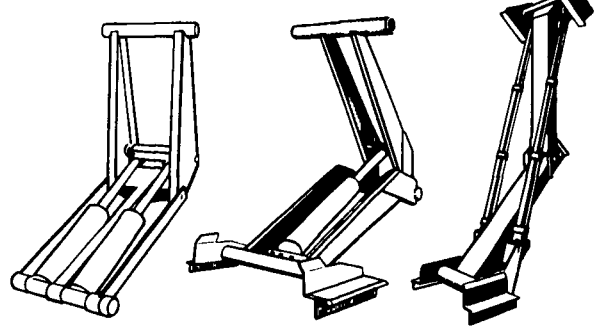

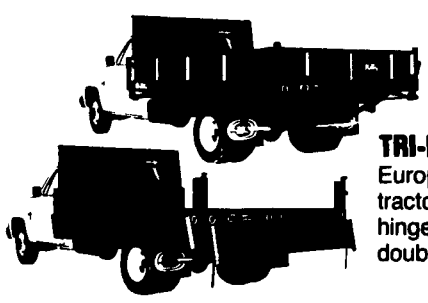

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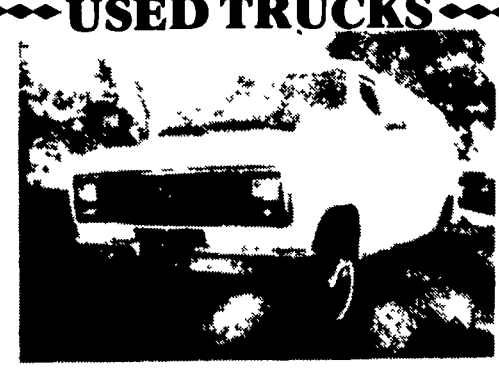

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'79 International 21,000 gross, 345, V8, 4SP, w/2SP, 15' flatbed w/alum. deck, 25,000 orig. miles, orig. owner, VG MPG, excel. cond. Eves. 215-383-5545.

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Operating Dairy Farm For Sale: 98 acres, 70 tillable, plenty more acres nearby to rent reasonably, all in high state of cultivation, 56 stall barn, pipeline, 2 large silos, large heifer facilities, machinery building, 9 room home. $110,000. 717-673-5945

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267 ACRE DAIRY farm with 90 acres river flat, good barn for 80 head w/DeLaval pipeline, 1000 gal. tank, cleaner, 16x40 silo w/unloader, 2 bunk silos, machine shed, heifer barn, trout stream, excellent 4 bedroom home. Asking $175,000.
200 ACRE FARM, was dairy farm. Has bulk tank and cleaner, silo, heifer barn, trout stream, good 4 bedroom home, 150 acres tillable, lots of road frontage. 20 Minutes to City of Binghamton. $130,000.
64 ACRE OPERATING DAIRY, all pasture, very good barn for 64 head w/new 2" pipeline, 735 gal. tank, cleaner, 2 silos w/unloaders, very good house w/apt. $90,000.
ROBINSON REAL ESTATE
Walton, N.Y.
607-865-4416. Evenings, 865-6176 or 865-7247.

WANTED TO RENT: Barn for young stock or someone to raise heifers from 3 month to breeding age. Berks County. 215-488-1965

For Sale: 35+ acre farm, 5BR home, bank barn, 40x80 pole barn, in Northern Berks Co., $125,000. Please call Diane Reed, 215-488-1670, 215-775-2900. John Monaghan Realtors.

For Sale: 95 Acre Farm. 18 Crate farrowing house, 12x55 silo, room to feed 50 steers. Two story house, lots of fruit trees, grapes & berries. Snyder Co., 717-374-2250.

FRANKLIN COUNTY FARMS: 100 to 250 acre dairy farms, limestone and shale. KOONS REAL ESTATE. 717-597-8300. Rodger Wildeson 717-263-5702.

FREE CATALOG! Describing numerous PA farms, camps, acreage, cottages, homes and businesses. Write Dept. LF, WEST REAL ESTATE AGENCY, INC., 5528 William Flynn Highway, Gibsonia, PA 15044. 412-443-1200, IN PA 1-800-922-1235.

Franklin Co. 200+ acre general farm, approximately ½ tillable, balance timber and pasture. 2½ story house, $160,000. Owner financing to qualified buyer. Reply Lancaster Farming, P.O. Box 366, R-67, Lititz, PA 17543.

AG TAX SHELTER

Can possibly shelter $100,000 per year Operating dairy farm with tremendous development potential Sewer and water available

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Contact
Perry Long
215-264-3025

For Rent: 28-Acre Farm, two bedroom house, bank barn, corncrib, 10 acre fenced pasture, 15 tillable. Southern York Co., 717-382-4763.

For Sale: 102 acre farm, 50 miles north of Williamsport, 1,500 ft. frontage on Route 15, more frontage on township road, spring fed pond, 36x80' 1 story barn, 2 cement stave silos 14x40. 717-659-5555

Drumore Township, 155 acre dairy farm, good state of cultivation. Broker. 717-464-5126

FOR RENT: Large dairy farm. Large 8 room house, large barn, equipped for 40 head of dairy cows, 250 tillable acres Complete w/milk pump, tank, pipeline system, barn cleaner, 2 silos. Looking for hard working couple w/cows. 717-896-8348.

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BEST FREESTALL BUY AROUND

JUST LISTED...PRIME AREA; This is a real steel in one of the richest farm areas of NYS, just SE of Syracuse Excellent 140 cow freestall barn w/computer feeding, nice parlor, 3 Harvestore silos plus 30x60 Concrete, 188 acres in large easily worked fields, 130 tillable Very good 10RM Colonial home Price includes 3 large tractors and complete line of well-maintained machinery for $185,000 or $145,000 bare w/liberal terms For appt call Ed Townsend, 315-492-2578 eves or WIMPLE'S SLOANSVILLE OFFICE, 518-875-6355

WIMPLE ASSOCIATES
CENTRAL NEW YORK

BERRIES, ORCHARD & DAIRY: 106 acre farm has large asparagus, strawberry & blueberry gardens plus a 100 tree orchard Barn has 24 milking stalls with Patz cleaner and new milkhouse 10 room colonial home INCLUDES 15 milkers, 16 YS, 2 tractors and all machinery for $100,000 JUST LISTED

PRICED REDUCED ON HOLSTEIN BREEDER'S FARM very well-kept 57 cow operation has 170 acres with 150 tillable Barn has 2" Surge pipeline Patz cleaner, 2 silos, Jamesway unloader Heifer barn Attractive 4 bedroom home 17,000 lb herd & equipment available REDUCED TO $137,500 with 9% terms CALL WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

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BERKS COUNTY FARMS
Excellent dairy w/60 stalls, pipeline, bulk tank, 3 silos. Don't Miss This Opportunity. This is a good working farm. Priced to Sell.

HOGS
Farrow to finishing w/112 acres, all in one continuous tract w/approx. 5,000' of road frontage, excellent location; Myerstown area. Must Be Sold.

CALL CARL JOHNSON - 215-367-6160

SECLUSION & PRIVACY
Berks Co. Gentlemen farm, 115 acres, 55 tillable, balance woodland & pasture. Log house with 3 bedrooms, horse barn. ¼ mile lane with bridge over stream. Ideal for retreat or executive style estate with some work. Priced $149,500.

Manheim Twp., Lanc. Co. 3 Unit farmhouse on 1 acre zone R-2. Three extra available acres. New Listing.

9 SECLUDED ACRES
2½ Story home with oil heat, barn & tobacco shed. Reduced Price. In River Hills. Lancaster Co.

ENJOY NATURE AT ITS BEST
GOING DAIRY FARM OPERATION
UNDER $1800 PER ACRE, 95 acres total, 13 acres pasture, 5 acres woods. Easy rolling topo., spring fed pond, stream. Bulk tank, 3 bay implement shed, comfortable 2 story 3 bedroom home, 1½ baths. Oil and/or woodstove heat. Only 10 minutes to Chambersburg.

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To Buy or Sell
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By qualified Buyer
Gentleman's Farm or Farmette.
30 to 100 acres, old house ok, but must be completely renovated and MODERN. Brokers protected. Berks, Lancaster, Lebanon & York Counties. Please submit to:
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MOUNTAIN VIEW
12 acres, two 3 BR trailers w/some outbuildings. Located near Newmanstown. Less than ½ mi. to Wildlife Management, "Project 70." Reduced to $51,500. Financing Available.

C.J. Nyman Real Estate
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717-949-3879
Today.

FARMS FOR SALE
Lancaster County
83 acre general farm between Lititz and Manheim, SOLD room farm house, barn extra nice, large barn, tobacco shed, some meadow
334 acres. 170 tillable, 85 acres meadow, stream, 90 acres woods South of Quarryville Amish neighbors Make 2 farms Owner financing Buyer 30% and Seller 70%
Chester County. Dairy Farm near Oxford 180 acres approx 150 tillable Financing available
York Co. Near Dover 160 acre general farm, mostly tillable Owner financing, 30% Buyer, 70% Seller
Lebanon Co. 94 acre general farm, approx 65 acres tillable, meadow, stream
95 acre dairy farm, approx 65 to 70 acres tillable, meadow, stream
North of Lyken Valley, 3 mis N of Berrysburg near town of Pillow 111 acres, 65 tillable, woodland, no buildings 25% Buyer, 75% Seller Owner financing Early possession Priced to sell! Make Offer
We have more farms available Farms are our specialty If you're thinking of selling, call us today!
Maurice E. Lehman, Broker
Lancaster
717-394-2460
Daniel E. Snader, Agent
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36 REAL ESTATE

FOR SALE POTTER CO. FARM
245A Dairy or Beef, 150A T, free stall w/milking parlor. Owner Financing Available.
POTTER CO. LOTS
3, 15, 18A.
Owner Financing
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After 6 p.m.

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This 19 Acre farm has it all Room for 46 000 turkeys per year Also room for 30 brood sows and steers plus several other large sheds with concrete floors Large house with 3 bedrooms and 1 bath plus den and family room Fenced pasture with a pond (L 5066)
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JUG MILK OPERATION
Complete farm - lock, stock and barrel - 300 acres in Eastern Pa. Ultra modern parlor and processing equipment, 250 Holsteins, ALL MILK SOLD DIRECT FROM YOUR OWN STORE! Information to qualified buyers only.
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Beautiful true Colonial home and excellent 42 cow barn, 2" pipeline, 2 silos and 2 large storage buildings. 127 acres, nearly all tillable level land, 2 ponds. Everything you would look for in a smaller family farm. Owners are meticulous in every phase of their operation. $175,000. Super Registered herd of Jerseys and Spotless Line of Machinery available. This type of operation rarely comes on the market!
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Over 200 Farms Available

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UNION CO.. 157 Acres (m/l) Limestone soils Owner Financing!
LANCASTER CO... 60 Acres (m/l) Limestone soils!
LEBANON CO... 68 Acres (m/l) Limestone soils Dairy!
PERRY CO...568 Acres (m/l) Sold in parcels or total!
DAUPHIN CO... 500 Acres (m/l) Excellent Beef Operation!
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FOR SALE:
35+ ACRE FARM IN NORTHERN BERKS COUNTY!
5 BR, Solar Heated, 2 Story House in Great Condition; 40x90, 6 bay Bank Barn; 50x80 Pole Barn; 100x200 Outdoor Riding Ring..... $125,000
PLEASE CALL:
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(215) 775-2900 OR (215) 488-1670
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SOUTHERN CHESTER CO.
125 Acre, attractive 4 BR stone home with good views. 5 room tenant home, large bank barn with stanchion & horse stalls. 80 Acres tillable, 40 acres pasture with 2 streams, Amish neighbors, fox hunting area. Excellent land.
Contact Jim Sheetz
Century 21 - Pierce & Bair, Inc.
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WOODED & OPEN ACREAGE
50 acres, $49,000. 94 acres, $89,000.
West of Pine Grove, I-81, Rt. 443.
Lots of Deer & Wildlife
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FARM DIVISION
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PENNA. FARMS FOR SALE
Nelson L. Ebersole
Realtor Auctioneer
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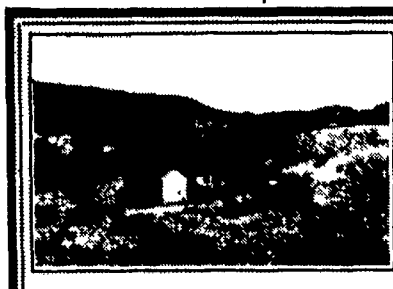
Lee Reddinger
717-949-2243
Victoria Swayne
717-665-6196
Francis Ulishney
717-272-2989
June Ebersole
717-867-2771
Write or call for Descriptive Brochure of Farms for Sale
30 West Main St.
Annville, PA 17003


WIND RIDGE FARM
Outstanding 129 acre grazing farm situated along bold Walkers Creek Tastefully restored two story clapboard house in superb condition overlooks quaint mountain valley settlement About 16 miles from the Historic College Town of Lexington Christmas tree plantation
$135,000

STILL MEADOW FARM
101 acres of level to gently rolling fields with 60 acres in cropland 5 acres in woods and 36 acres in pasture and farmstead Handsome two story brick house with large front porch shaded by maples Pleasantly situated and convenient to farm buildings Nice brook flows through pastures
$185,000

HAYS CREEK FARM
Fine 245 acre livestock farm near the charming village of Brownsburg 80 acres of rich cropland 165 acres of improved pasture farmstead and woods Large two story frame home in excellent condition Complete livestock facilities include barn silo working pens scales and auxiliary buildings Abundant water from bold creek stream and springs
$350 000

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ESTATES • APPRAISALS • LIQUIDATIONS

Wyalusing Area 106 acre modern dairy **back active** modern house with new heat system lots of silos cheap land rental High assumable mortgage if you qualify

Lebanon Co 50 000 layer operation executive home in ground swimming pool 106 acres excellent soil Call Ken at 426 1098

Centre Co 114 acre Amish farm with new barn set up for 35 head dairy cows could be expanded easily 2 silos large 10 room house plenty of water with fishing creek through farm Call Ken 426 1098

Huntingdon Co Farmland and mountain land large or small tracts priced at $350 $450 and $600 per acre Call Sandy Leaman 717 569 4264

Blair Co 200 acre grain farm w/400 acres rented Complete grain storage operation 2 silos and tree stalls for beef or could be dairy again Call John 649 5861

63 Acre Steer Farm with barn but no dwelling priced just over $1 000 an acre Excellent Berks soil 1 acre pond implement shed an excellent buy

Snyder/Mifflin Co 145 acres w/100 tillable excellent soil Cherty Silt loam Large pole barns could be dairy steer or buffalo operation Modern 12 room home with 3 baths Priced for quick sale at $1 100/acre Call Leroy 837 0265

Snyder Co $800/acre for a beef and hog farm could be a dairy You have a total of 310 acres with 180 tillable good farm to start with Road frontage McClure area Call Leroy 837 0265

400 Acre Dairy 59 stanchions 4 silos 2 sets of buildings including houses pipeline milker bulk tank and lots lots more Priced under $1 000 per acre An excellent buy Call Leroy at 837 0265

Bradford Co Canton area 277 acre dairy presently set up for 45 head could easily be expanded there are lots of extras and more land could be tillable Modern ranch house Call Barb 297 2619

Columbia Co Modern dairy in Mennonite area Very excellent limestone farmland large stone farm house room to expand 2 barns and 2 ponds Call Sandy 569 4264 Farmettes houses on mountainland priced right

Call our agents we have a large number of excellent listings

"We Serve Your Farm Needs"

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LANCASTER COUNTY CALL KEN YOUNG 717 426 1098 OR SANDY LEAMAN 717 569 4264
SNYDER & UNION CO CALL LEROY HIBBS AT 717-837 0265
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DAUPHIN COUNTY CALL PAT KAUFFMAN 717 896 8958
BRADFORD COUNTY CALL BARBARA LA MONT 717 297 2619

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FRUIT FARM
50 Acres & up. Cherries, peaches & apples.
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Farms For Sale
FLEXIBLE SELLER has reduced price on 155A general farm near Carlisle, Pa. Impressive 2 story brick colonial residence Bank barn in excellent condition 105 tillable acres Ask for Mrs Lutman

LUTMAN ASSOCIATES
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PRIVATE 17 ACRE COUNTRY ESTATE
York County - Lewisberry, Pa.
Ideal for horse and animal lovers. Spacious, unspoiled STONE house with 3 bedrooms, 2 baths, wood floors, large stone fireplace. Bank barn with utilities; new garage. Property is partially wooded. Balance of land is beautiful meadow land with stream. Call for an appointment. $200,000.
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Real Estate
717-432-9745

LANCASTER COUNTY
WORKING HORSE FARM
Super set up for training, lay ups & brood mare operation. Post & rail paddocks, turn-out sheds. 18 stall barn. 4 bedr home. 64.6 acres. $395,000.

18th CENTURY
Pointed stone farmhouse built circa 1804. Picturesque setting among 113 acres (approx. 75 acres tillable) in Southern part of Co. $255,000.

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EMORY D. WAGNER CO., REALTORS

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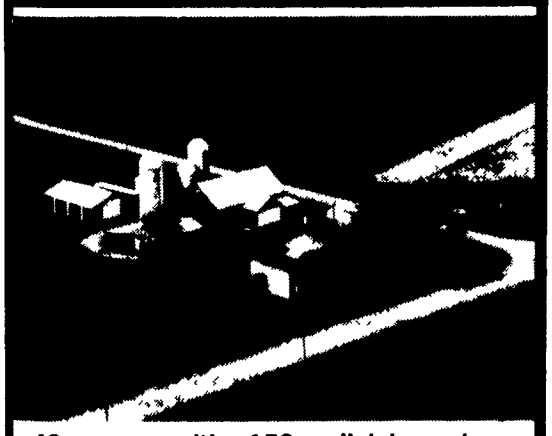

48 acres with 153 adjoining share cropping acres of Pa. Game Commisison Land. 88 tie stall barn, Patz barn cleaner, three newer silos with unloaders, new 40x60 machine shed, 4 car garage. Surge pipeline and bulk tank available. Remodeled four bedroom home, 814-796-2050. Erie County.

SMALL RANCH - Farmette on 40+ acres, good views, 3 bdrm 1½ baths, fireplace and bar in bsmt family room, barn in good shape for storage, cattle or horses, close to town, but on dirt road, great for privacy. $52,500 W-778

HUNTING, SKIING WITHIN WALKING DISTANCE when you own this 4 bedroom Chalet. Huge stone fireplace in living room. Basement. Lovely view from deck. Extra building lot JUST REDUCED to $29,900 W-904

54 ACRES PRIME HUNTING LAND OR BUILDING SITE. Almost all wooded, level, nice view from back of land. Priced at under $480/per acre with possible owner terms. $25,900 W-913

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THE REAL ESTATERS OF WELLSBORO
East Ave., Wellsboro, PA 16901
717-724-5921
Call or write for free list.

K.B. CLELAN REALTOR
133 S. Hanover Street **Carlisle, PA 17013**
Phone: 717-243-3441

ATTENTION - If you love horses and dogs, we have the perfect property for you. Approximately 4 acres includes barn with 5 box stalls & loft. Kennel with 12 runs, grooming area, heat & water. 3 bedroom ranch home with exposed basement. Call today for an appointment to see this property. Newville area. $79,900.

27 ACRE FARMETTE midway between Carlisle & Newville. Living room, dining room with exposed beams, brick hearth for woodburning stove. Bank barn and other outbuildings. Approximately 8 acres of woods and mature pines on property. $109,900.

CALLING ALL HUNTERS - Here is a hunting paradise. 213 acres including timber on the side of mountain, open fields, creek frontage. Large house and barn Spring Run area, Franklin County $145,000 00

FINGER LAKES - NEW YORK
Dairy - 138 acres, 2 silos, 54 free stalls, excellent home and soils, $170,000
Dairy - Stanchions/Freestalls, 270 acres, 3 silos, pole barns, two homes, $275,000.
112 acres - #1 soils, barn, home, $85,000.
100 A Dairy - 40 cows, new home, silos, outbuildings, $200,000.
808 acre Crop Farm, solar shop, 66,000 bushel grain storage, beautiful home. A class operation throughout, $750,000
64 Acre Hunting/Fishing, Recreation, 680 feet on lake includes old home/barn. $70,000.
140 acre land only (one field), $500/acre
Excellent Slaughterhouse in operation, all equipment, $70,000 Owner's new ranch home next door, $55,000.
Also Available, Slaughterhouse with 50 acres, 2 homes, totally equipped. Financing available.
All Types Of Land And Farms Available!
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Lifetime Farming
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568-9534

JUNIATA COUNTY LAND
40.62 acres of wooded land with timber value. Also, mobile home fully furnished with drilled well and septic system on the land. Excellent hunting area: close to Mifflintown, Pa. Asking Price - $60,000.00. Call for details.
Long-Turbett Agency
Mifflintown, Pa.
717-436-8263

FARMS FOR SALE
* **New Listing - Lycoming Co.,** 88 Acre Dairy, near Allenwood Remodeled to Dairy five years ago 4 bedroom, bath, kit , DR, LR, plus a tenant house 40 Stalls, 600 gal bulk milk tank, 14x60 silo, 2 car garage & shop 24x28 Nice level land, close to State Game Lands Beautiful view of Bald Eagle Mountain

* **Chester Co. S. of Oxford 39 acre** (Former) dairy, barn, 40x85, milkhouse, silo, 2½ story dwelling, 3 BR w/conveniences, oil & wood furnace, 2 fireplaces

* **101 Acre Dairy,** 2½ story house with conveniences, 49 tie SOLD 2 silos Productive soil Oley Valley, Berks Co

* **60 Acre Modern Dairy,** Lebanon Co Northeast of Lebanon Frame bank barn attached like new, dairy barn, 44 tie stalls, 2 inch pipeline, gutter cleaner, stream & pond in meadow Large bulk milk tank Colonial brick dwelling, like new condition, 4 BRs, 1½ bath, 2 silos 10x40 corn barn, attached shed, heifer barn

* **Chester Co. Farmette.** 3 Bedroom brick dwelling, bank barn

* **90 Acres Lancaster Co.** near Little Britain Bank barn, no dwelling

* **New Listing - Cumberland Co.** 120 A Dairy near Shippensburg, 4 bedroom Limestone dwelling Large comb kit & DR, LR, hot water oil furnace, new bank barn w/new attached dairy, 51 tie stalls, silo 10x40 & 12x40, heifer pens, 525 gal bulk milk tank Plus tenant house, 3 bedrooms & bath, hot air oil heat High producing limestone & gravel soil Financing to qualified buyer Reduced $249,500

* **New Listing - 95 Acre General Farm, Berks Co.** Colonial stone dwelling & large bank barn Owner financing to qualified buyer

Call James Marsh about the above properties
717-529-2678

* **209 Acres in Perry Co.** with modern 4 BR dwelling 119 acres wooded

* **178 Acre Dairy, Perry Co.** 166 acre tillable, 4 bedroom brick dwelling with modern conveniences 31 Stanchion

* **100 Acre Woodland, Perry Co.**

Call Marlin Kreider about the above properties
717-627-8244

* **New Listing - Cumberland Co.** 120 A Dairy near Shippensburg, w/a large 6 BR house, spacious living quarters, 1 bath, powder rooms Bank barn w/attached dairy barn, 44 tie stalls, room for expansion, horse barn for 12 horses, corn & implement shed, silos, 2 wire corn cribs, roofed feeder room for 5 acres of tobacco Reduced SOLD

* **120 Acre Dairy,** SOLD **Cumberland County**

* **57 Acre Dairy,** SOLD **Cumberland County**

* **101 Acre Dairy, Cumberland Co** near Boiling Springs large 4 bedroom farm house High producing limestone soil city water & sewerage available

* **New Listing - Cumberland Co.** 60 A General farm north of Shippensburg 4 Bedroom & bath log & frame house, oil hot air heat, 40x36 barn attached shed 12x24 40 Acres tillable, most of balance wooded

* **Over 250 Acre Dairy Farm** with two sets of buildings, some woodland & meadows Can be bought as farm or country estate Located NE of Hershey

* **188 Acre General Farm** with over one mile road frontage, city water, large beautiful 4 BR dwelling, large bank barn with new roof 2 mls E of Shippensburg

* **120 Acre Dairy, Union Co.** 2½ story frame house, conveniences coal stoker, 52 tie stalls (milking room with 10 tie stalls and pipeline) storage shed calves shed

* **4 Acre Industrial** Just off new Rt 222 near the turnpike

* **3 Acres Commercial** on Rt 501 near Rt 76 in Bethel Just off 4 lane exit

* **New Listing** - 1+ Acres commercial north of Ephrata along Rte 322

Other farms in many counties available

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Real Estate Broker
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Phone: 717-859-1004
24 Hour Service
James L. Marsh, 717-529-2678
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35 AC. BEEF/HORSE FARM, remodeled farmhouse, barn, pasture/woods/tillable/stream-/pond $74,500 Warranted (M1737)

50 ACRES, 40% woods, views private so exposure, terms $30,000 (M1555)

2 ACRES wooded tract near State Game Land Terms $4,700 (M1583)

13.7 wooded acres w/stream, terms $8,500 (M1591)

CLEAN CAMP, 26 5 wooded, private acres, views, $24,500 (M1637) OR camp on 2 3 ac near State Land $19,900 (M1642)

29.56 ACRES, views white birch, mt laurel near recreation dam $18,000 (M1655)

RESTAURANT on Rt 15 Going trade $45,000 (M1676)

FREE BROCHURES
ERA Homestead Realty
267 S. Main St.
Mansfield, PA 16933
717/662-3287

20 ACRES, ½ woods private w/views $14,900 (W986)

RETIREMENT? Lovely Wellsboro home near everything Low crime healthy environment $74,500 (M976)

10 ACRE FARMETTE, solid farmhouse, barn, room for horse/beef/garden Private yet accessible $42,000 (W971)

NEAT CAMP in Pine Creek Valley State Land behind, $22,700 (W961)

HORSE FARM, indoor arena, stable, house etc 19 ac - $138,500 (W968)

FARMETTE 51.7 acres, trout pond, private, a dream retreat, $42,500 Low taxes (W955)

MOTEL vacation area, exc 3-4 BR home, garage, etc Owner terms $104,500 (W922)

FREE LISTS
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RANCH HOME, 3 BR, total electric, nice size yard room for children & garden Close to Corning & Elmira area also $36 000 (D460)

100 AC w/old camp stream Potter County not far from Rt 6 OWNER MUST SELL MAKE OFFER $43,000 (D413)

PRIME HUNTING LAND, good cover for small game & deer 61 acres small stream open/wooded No Potter Co $27 450 (D464)

PRIVATE PARADISE 40 ac stream, 10 room contemporary home w/sauna barn, some fencing Ideal for gentleman farmer $55,500 (D416)

CLOSE TO NEW DAMS 10 scenic acres well wooded/open, surveyed Great spot for that camp you've been dreaming about $11,500 (D451)

CALL OR WRITE FOR FREE LISTS
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ERA®

PENNA FARMS

FRANKLIN CO.

100 acre dairy limestone soil 9 stall milking barn, DeLaval glass pipeline milkers, Mueller tank, lounge area for cattle, trench silo, road frontage, NO DWELLING Shippensburg area

CUMBERLAND CO.

186 acre general farm, 150 acres crop land, mostly level to rolling productive murrill & duffield soil, large bank barn, wire cribs, metal grain storage w/fan, silo DWELLING is in need of repair Frontage along Yellwo Breeches Creek & approximately 8,000 feet along 2 township roads Located SW of Carlisle

137 acre dairy, 52 stalls w/pipeline milkers bulk tank silo heifer barn, limestone soil road frontage 4 BR dwelling 58 additional acres avail

95 acre Horse & Beef Farm, sandstone soil (Walnut Bottom Area) 17 acres wooded well built 16 stall horse barn ground floor barn, 6 bay implement storage, 2 story Colonial brick and aluminum dwelling This property is secluded and adjacent to mountain for riding

82 acre beef and hog farm, Murrill soil all tillable one floor bank barn, implement storage 4 BR dwelling w/attached garage road frontage excellent building potential

Charles Wenger, GRI 263-0945
George Ebener 249-4979
Wilbert Diehl 776-7707

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

FARMS

124 ACRE DAIRY FARM - 7 mi e. of Bellefonte 106 acres tillable, level to moderate slope 1600 sq ft 4 bedroom ranch dwelling 2 story bank barn with 40x40 attached loafing shed 16x55 Coristone silo with unloader, 30 dairy stalls pipeline Nine acres marketable oak timberland Present use dairy adaptable for other uses, high fertility soil Asking $165,000 Miles Clevenstine 383 2755

RECREATIONAL LAND

86 ACRES Fronting Blue Ball Rd , Centre Co Includes 3 BRs, 12x60 furnished mobile home in excellent condition, with elec , TV cable & well Excellent hunting area Asking $69 000 Call Miles Clevenstine, 383-2755

360 ACRES ½ mile plus of road frontage, excellent hunting area with roaring run flowing through Some marketable hard & soft woods Located in Centre Co Asking $149,400 Call Miles Clevenstine. 383 2755

209 ACRES - Snow Shoe Area Private mountain land level to moderately steep with Beech Creek flowing through Good hunting area Financing available - Asking $66 300 Call Miles Clevenstine 814-383-2755

90 ACRES - 40 tillable - 50 wooded At top elevation of Bush Hollow with ¼ mi of road frontage Asking $85,000 Call Miles Clevenstine 814-383-2755

100 ACRES - near Milesburg Centre County Wooded Asking $40,000

400 ACRES - Buy your own valley just minutes from State College Outstanding hunting the perfect spot to build a cabin for those Penn State football weekends Asking $210,000 Call Dick Evelhoch, 814-234-1150

REAL ESTATE **CENTRE**
2212 N. Atherton St.
State College, PA
814-234-1150

FARMS FOR SALE

PINE GROVE - SCHUYLKILL COUNTY

95 acres m/l Super farmhouse in Excellent condition 2 full baths 4 bedrooms large family room with stone fireplace roof 4 yrs old new heating system 85 pretty country kitchen and dining room Large stocked pond oversize two car garage and shop bank barn and corrall Perfect Gentleman s Farm Offered at $180 000

LEBANON COUNTY

158 acre m/l farm in Lebanon County presently set up as a layer operation 3 bedroom brick farmhouse with slate roof woodburner bank barn with slate roof 400 ft poultry building set up for 48 000 birds equip approx 5 yrs old Building could be converted to hog operation auto ventilation liquid manure system pit scrapers etc 3 wells 2x21 ton feed bins more call Slim for info offered at $250 000

LAND FOR SALE

HUNTERS PARADISE

50 acres m/l of the prettiest hunting hiking and camping ground you ll ever want to see Located in southern Sch County just west of Friedensburg Mostly hardwood and good thick deer cover it is a genuine pleasure just to walk thru the trails of this lush green forest located top of the mountain Private and secluded Will not last at only $25,000

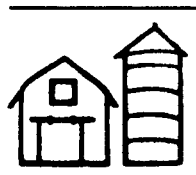
ORWIGSBURG

13 9 acres of land part cleared part wooded in one of the prettiest sections of the county located just outside of Orwigsburg Substantial blacktop road frontage Must be seen Offered at $37 500 Excellent areas Call today

BARNESVILLE

40 acres some tillable blacktop road frontage nice piece of property Offered at $68 000

For more information or help in selling your farm or rural property call



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Toll Free 1-800-831-2244
Residence (717) 754-7343

SHEETZ REAL ESTATE RAY N. WILEY INC.

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Mount Joy, PA
CALL 653-1481

FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

DAIRY FARM
202 Acres

Cumberland County - Walnut Bottom (near Carlisle)

185 tillable acres level, rock free, fertile soil - two story barn with 65 - 75 milk cow capacity. 16x30 heifer barn, 40x80 loafing barn, 2 silos (20x60 & 24x70) with unloaders, 5 bay implement shed, pipeline milker, milk house with 800 gal. bulk tank, new 400 amp service, automatic bunk feeders (100' long), 2 ponds and good well. Dairy market available. Extensive hard road frontage bisects farm. Two dwellings - beautiful 12 room two story and modern 9 room rancher. Unusually attractive terms available. $410,000. Call Gale Bear at 717-258-6821 or write to 19 N. Baltimore Street, Dillsburg, Pa. 17019

Vernon E. Anderson
Real Estate
717-432-9745

FARM FOR SALE

123 acres, R.D. 3, Newville, Pa. Upper Frankford Township, Cumberland Co.

HOUSE: 2½ story, aluminum sided farmhouse, porches on 3 sides, 4 bedrooms & bath, livingroom, diningroom, kitchen & laundry. Extra cottage for hired hand.

STEER BARN: 40x100' metal sided structure, bunk feeder runs thru the center, (2) no-freeze waterers.

SILO: 24'x70' concrete stave silo w/Van-Dale top unloader, the silo is attached to the steer barn.

BANK BARN: 4 rows of 8 stalls (32 stalls), the stalls run the short way, attached milkhouse, upper level of barn has 2 drive-in bays & 2 hay mows.

SOIL: High productive slate soil, 100 acres tillable, 45 acres of soybeans will be harvested November, 1985, and 55 acres will be planted in wheat & rye which will become the property of the new buyer for harvest in 1986, approx. 23 acres are pasture, homesite and border area.

$190,000. Make Offer, Owner Retiring.
Directions: ¼ mile east of Bloserville in Cumberland Co.

Call Realtor Associate
June Ebersole
717-867-2771

SUBURBAN REALTY
FARM DIVISION
30 West Main St.
Annville, PA 17003
717-273-9358 717-867-5221
717-867-4487

CENTRAL PA FARM LISTINGS

CENTRE COUNTY

DAIRY FARM - 122 acres (97 tillable, 22 pasture, 3 site and roads), mostly Hagerstown ground, sound 2½ story house, bank barn with 34 tie stalls, 96-stall free-stall barn, pipeline milker, 1,250 gallon bulk tank, 20'x60' and 14'x40' silos with unloaders, 20'x40' Harvestore (under lease) Priced at $182,500 Also available with an additional 95-acres for a total of 217 acres (130 tillable, 47 pasture, 36 woodland, 4 site and roads) and a second barn, 3 additional implement sheds and 1 silo for a total price of $247,500 Near Stormstown

DAIRY FARM - 179 acres (141 tillable, 17 pasture, 19 woods, 2 site), mostly Hagerstown, Murrill and Nolin soils, 2½ story stone and frame house, large bank barn with 60 tie stalls, pipeline milker, 800 gallon bulk tank, gutter cleaner, 20'x50' and 16' and 50' concrete stave silos, 20'x35' concrete stave sealed silo with bottom unloader Near Nittany $265,000 Additional 65 acres (61 tillable) also available

GENERAL FARM - 143 acres (28 tillable, 40 pasture, 73 woodland), excellent remodeled 2½ story home, bank barn, enclosed steel implement shed and other sound outbuildings 18 miles from State College Additional land available $189,500

GENERAL FARM - 184 acres (20 open, balance woodland), sound 2 story house several pole-type implement sheds, hay storage shed, other outbuildings Secluded setting, easy access good hunting 8 miles from State College $123,500

LAND - 104 acres (80 clear of which 50 are tillable, balance wooded) 2 3 miles of stream frontage, magnificent view, excellent hunting Suitable for organic farming (no chemical applications for 15 years) $72,000

FARMETTE - 10 acres with large stone house built in 1800 s large barn small stream Near Centre Hall $99,500

RECREATIONAL OR FISH FARM - 137 acres (62 tillable, balanced pasture and woodland), 3 large ponds, large recreational building, 2 story house (fair condition), 3 large ponds, large recreational building 2 story house (fair condition) 2 trailers, secluded setting Near Spring Mills $149,500 Ideal for fish farming

FARMETTE - 22 acres (15 tillable, balance pasture,) very nice 2½ story brick house, sound bank barn garage small stream, nice area Near Potters Mills $99,500

DAIRY FARM - 131 acres (109 tillable, balance pasture and site) 2 story log house with aluminum siding bank barn with 33 comfort stalls pipeline milker milk house with bulk tank, 18'x60' and 12'x45' silos, good outbuildings, nice setting Near Millheim $249,000 Owner Financing

GENERAL FARM - 155 acres (117 tillable, 32 woodland, balance site roads and stream), sound 2-story house, bank barn 32'x344' 1 story poultry building outbuildings, excellent producing ground, small stream $212,500

COLUMBIA COUNTY

HOG AND BEEF FARM - 233 acres (130 productive tillable 19 pasture 79 woodland) Excellent house, good barn adapted for farrowing and finishing hogs outbuildings, nice setting $275,000 10% **Owner Financing**

HUNTINGDON COUNTY

DAIRY FARM - 338 acres (202 tillable, 56 pasture and lowland, 78 woodland), sound 2-story brick house, bank barn with 37 tie stalls, free-stall barn with 51 stalls and bunk feeder, 20'x60' and 20'x50' silos, 15'x40' Grain o matic silo for high moisture corn, farm shop, heifer barn, 2 implement sheds, stream frontage, pipeline and bulk tank, silo unloaders, gutter cleaner Very well maintained $375,000 OWNER FINANCING

LIMITED ACREAGE DAIRY FARM - 35 acres (17 tillable, 5 pasture, balance woodland), 1½ story house, bank barn with 25 tie stalls, milk house with bulk tank, new free-stall barn with 30 stalls and bunk feeder, 14'x60' and 10'x50 silos, garage, implement shed, wire corn crib, stream frontage $75,000

BEEF OR SHEEP FARM - 306 acres (approximately 140 tillable, 117 pasture, 47 woodland, 2 site), 1-story brick home, 2 barns, garage, 2 silos, 2 large implement sheds, excellent water supply, 3 ponds $259,500 Additional land available

DAIRY OR GENERAL FARM - 66 acres (55 tillable, balance pasture and site) sound 2 story aluminum sided house, bank barn with 43 tie stalls, new gutter cleaner milkhouse, new 40'x40' implement shed, 14'x60' Lancaster silo, pond swimming pool $115,000 Also available with 129 acres (70 tillable 53 pasture) $140,000

RIVER BOTTOM LAND - 55 acres (45 6 tillable) frontage on old Route 22 substantial Juniata River frontage Ideal for truck crops and roadside marketing OWNER FINANCING $99,500

LYCOMING COUNTY

DAIRY FARM - 106 acres (87 tillable, 10 pasture, 9 woodland & site), Very nice 2½ story house 2 story bank barn mod 1 story dairy barn w/52 tie stalls, gutter cleaner, pipeline milker, milk house w/600 gal bulk tank 20'x60' ribstone silo w/unloader bunk feeder and 2 very good pole buildings Near Cogan Station Reduced to $189,500

LIVESTOCK OR DAIRY FARM - Near Lairdsville, 270 acres (165 level, very highly productive tillable) Good 2 story house, bank barn 60'x120 cattle barn suitable for freestalls, 20'x60' Harvestore 2 streams **Owner financing** $325,000

RIVER BOTTOM FARM - 93 acres (71 tillable), excellent stone and frame house sound implement shed, workshop building, large bank barn with 25 stanchions 3,500 bushel grain bin, substantial Susquehanna River frontage, Class' I land 10% **OWNER FINANCING.** Muncy area $250,000

RIVER BOTTOM LAND - 41 acres (38 tillable) with road frontage on Pa Route 405 This is a portion of the farm listed above 10% OWNER FINANCING $82,500

NORTHUMBERLAND COUNTY

FARMETTE OR LIMITED ACREAGE DAIRY FARM - 27 9 acres (19 tillable balance pasture), sound 2-story home, good 1½-story Cape Cod home, bank barn with 35 stalls, implement shed Near Milton $99,500 Also available as a 22 acre unit with 1½-story house for $65,000

MANY LAND PARCELS AND FARMETTES AVAILABLE
CALL OR WRITE FOR THE FREE LIST

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1705
(Bedford) Richard D. Reed (814) 839-4271
(Huntingdon) Rachel Port (814) 669-4194
Don Myers (814) 422-8111
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Dairy farm, 175 acres w/150 acres tillable large barn w/44 stanchions, 2 nice homes, stream & good spring on property Many other extras $285,000

Dairy Farm, 111 acres, extra good home w/7 rooms & 2 baths Good barn w/27 stanchions, Milk house & wagon shed $100,000 Firm

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Lancaster Co. Tobacco & Dairy Farm For Sale

90 acres total, 75 tillable, limestone land.
Lancaster Farming
P.O. BOx 366, L-86
Lititz, PA 17543

LANCASTER COUNTY

6 Acre Farmette, 3 BR home recently remodeled, nice barn, possibility of 7 bldg lots

CUMBERLAND COUNTY

97 acre dairy farm, plus 200 head hog fattening barn

110 acre beef operation a lot of road frontage for building lots

57 acre show farm very good buildings, stream & woods Only $97 500

NORTHUMBERLAND COUNTY

Buy these 2 neighboring hog farms and work them together 80 sow hog operation on 30 acres and 700 fattening operation on 67 acres

FARM & HOME REAL ESTATE
East Petersburg, PA
717-291-2270

Sylvester Baum, Carlisle, 717-776-3967
Harlan Keener, Willow Street, 717-464-2669
Broker - J Irvin Denlinger, 717-898-8962

CHOOSE FROM 25 CAMPS!

1319 Trailer w/spring, septic, State Land	Sweden Valley	$12,900
1354 Old farm house w/40 Ac.	Carter Camp	$22,500
1217 2-story wood heat, indoor plumbing	Gaines	$25,900
1236 Comfortable home near Pine Creek	Germania Station	$26,000
1340 Borders Marsh Cr. near State Land	Wellsboro	$20,000
1248 33 Ac. old farmette, needs work	N.E. Potter Co.	$28,250
1271 2-story in ideal location, terms	Asaph	$18,900
1267 Attractive A-frame pond & 156 Ac.	Oswayo	$59,900
1255 2-story w/100 Ac. & stream	N.E. Potter Co.	$49,500
1215 5 BR camp, furnished, septic & well	Sabinsville	$16,500
1302 Near Denton Hill, Pine Cr. & State L.	Galeton	$16,500
1303 2BR, garage, septic, well, woodstove	Westfield	$10,500
1245 Furnished trailer w/fireplace	Genesee	$7,500
1304 Camp on Long Run - needs work	Gaines	$5,900
1223 Marsh Creek, septic, dug well	Asaph	$7,900
1361 8 Ac. & furnished log camp	Galeton	$18,500
1334 Camp w/amenities, bsmt., 14 Ac.	Westfield	$29,500
1284 2 BR & bunk rm, bathroom, 50 Ac.	Genesee	$36,000
1330 2-story 3 BR, septic & well	Westfield	$14,500
1225 New Cape Cod camp w/septic & well	Wellsboro	$17,900
A1225 2-story cottage on 102 Ac. near dams	Tioga	$52,900
1349 Mobile home w/lg. rec room	N.W. Tioga Co.	$19,900
1264 2-story all amenities bsmt.	Genesee	$16,900
1183 Camp w/loft, all amenities, 8.6 Ac.	N.E. Tioga Co.	$12,900
1318 Camp on Pine Cr. & State Land	Sweden Valley	$11,000

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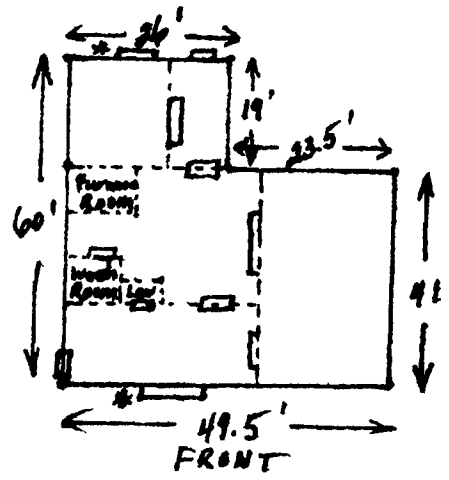

A 6.46-acre tract of land with 540 feet of frontage and easy access to the Pennsylvania Turnpike via Route 75. This 6.46-acre tract of land is improved with a 50'x60' modern building (floor plan diagramed above), a 4-bedroom frame dwelling, 2 hog finishing houses (40'x80' and 40'x60'), various other out-buildings, 2 wells, a 2,500-bushel Circle bin, a 10,000-bushel Reed bin, an 18-ton Broch bin, a 12-ton Broch bin, a 10-ton Broch bin, four 16-ton Circle bins and a bucket elevator.

PRICE REDUCED - ASKING $75,000 - CONSIDERING ALL OFFERS!

Will sell bins and/or the 50'x60' modern building separately.

Must see this property to appreciate it.

For additional information, contact ***Valley Bank and Trust Company, P.O. Box 459, Chambersburg, PA 17201,*** Attention: Mike John or call (717) 263-2265, extension 323 or 254.

RAYSTOWN COUNTRY CABINS

Shirley Twp. hunting cabin completely furnished, situated on 22 acres of mountain land, $25,000 C-140.

Cromwell Twp. 20x24 cabin on 10.21 acres, tract 48B Section, Laurel Mountain Farm (Jacks Mountain), $16,000 C-198

Cromwell Twp. hunting cabin, cottage or get-a-way place on 10+ acres, lots of good timber across roads, nice location, Priced to Sell Everything goes but personal items, $21,500. C-256

Union Twp. Really ruff it in this 3 BR cabin on 1 43 acres in Polecat Hollow Just a good hike to the river and good hunting all around, $8,000 C-259

Raystown Country farm with native stone home w/4 BR, barn, and outbuildings, on 146 acres, fields and woods, beautiful view, $186,000. C-274

LAND

Huntingdon Co. 185 acres recently timbered, nice stream through the meadow, not steep, numerous good large locations Borders State Game Lands #99 for over 1 mi , Tract is accessible from state road by a wide shell base right away $333/acre and bulk A one time offer Don't miss this opportunity

We have numerous tracts of land large and small for hunting. Please contact us for more information

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Longacre

BERKS CO.

• 140 Acre Farm features lovely 2½ story stone home modern kitchen, dining room, living room, center hall, 4 large bedrooms & bath, large bank barn, 2 large machinery sheds, small horse barn, large storage bins, gently rolling land with pond & stream, $460,000

76 Acres General Farm-2½ story brick farmhouse needs work, 2 story bank barn, double corn crib, large stream private setting, $150,000

SCHUYLKILL COUNTY

• 234 acre woodland tract, joins state gamelands, borders Rt 81 & secondary road, Pine Grove area, good hunting area call for details, $175,000

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

MONTGOMERY COUNTY

• 82 acres 65 till, balance woodland & pasture w/stream, general farm, 2½ story 5 bedrm house/LR, DR, Kitchen & bath, bank barn & other buildings ~~$250,000~~ $235,000

TIOGA COUNTY

• 410 Acre 220 tillable Dairy Farm with lovely 2 story home features good 46 stall dairy barn, pipeline, bulk tank, barn cleaner 2nd house, new 45x72 machine shed shop & heifer barn, 18x60 and 12x35 silos, pond stream, good ground, $325,000 Cattle & machinery available

• 800 Acre Dairy Farm 400 T 2 very good, lovely homes 83 stall dairy barn Steel pipe line, 1000 gal tank and barn cleaner (2) 16x60 and (1) 14x40 silos with unloaders Large heifer barn $365 000 Full line of machinery and cattle available

• 122 Acre 100 T dairy farm 47 tie stalls with 24 free stalls, 800 gallon tank barn cleaner pipeline milker, 20x60 concrete silo with unloader good house with kitchen dining room 2 living rooms 3 bedrooms and bath $110,000

• 126 Acre farm 70 T, 45 pasture balance wood land Land only Near above farm $65 000

SNYDER COUNTY

• 186 acre dairy farm, 100 T, features modern 60 free stall barn w/milking parlor 2 story heifer barn, and large machinery shed 20x60 and 20x70 Harvestore silos, lovely 2 story home with 3 bedrooms kitchen, large living room/dining room laundry and bath $210 000 Also full line of machinery available

POTTER COUNTY

• 116 Acre hunting ground 30 acres open balance wooded borders 2 roads & river Possible Owner financing $50 000

BRADFORD COUNTY

• 110 Acre dairy farm, 80 tillable 35 stall dairy barn with dump station, barn cleaner, 400 gal tank, 18x55 silo and 14x60 silo with unloaders and 14x32 silo, heifer barn and out buildings Large home with 5 bedrooms kitchen, dining room living room, laundry and 2 baths $150,000 Also cattle and machinery available under separate contract

• 5 acre Dairy Farm Modern 74 stall dairy barn Bulk tank steel pipe line, barn cleaner 20x32 Harvestore silo and 20x60 concrete silo Manure storage Modern Ranch home with 4BR s, Kit DR LR Bath and Den $145,000 Also second house available

SUSQUEHANNA COUNTY

• 265 Acre modern dairy farm w/2 houses, 115 comfort stall dairy barn with pipeline milker, 2 large bulk tanks, barn cleaner, 3 large concrete silos, large free stall heifer & dry cow facility & large machinery shed, calf barn, lovely split level home features modern kit , formal DR, LR, family room, laundry, 2 baths, 4 BRs Large in-ground heated pool 2nd 2 story home, modern kit , DR, LR, family room, 3 BRs, 1½ baths Also, large new trailer 200 Head of dairy cattle modern line of machinery including several large tractors All for $600,000

• 565 Acre dairy farm Features 145 stall barn, heifer barn, large machinery shed, 2½ story house with kitchen dining room living room, office, family room, laundry, 3 bedrooms, 1½ baths 2nd House Modern 3 bedroom with kitchen dining room living room and bath Apartment with modern kitchen, living room, dining room, 3 bedrooms, 1½ baths 3rd House New 2 bedroom, kitchen, living room and bath $750,000

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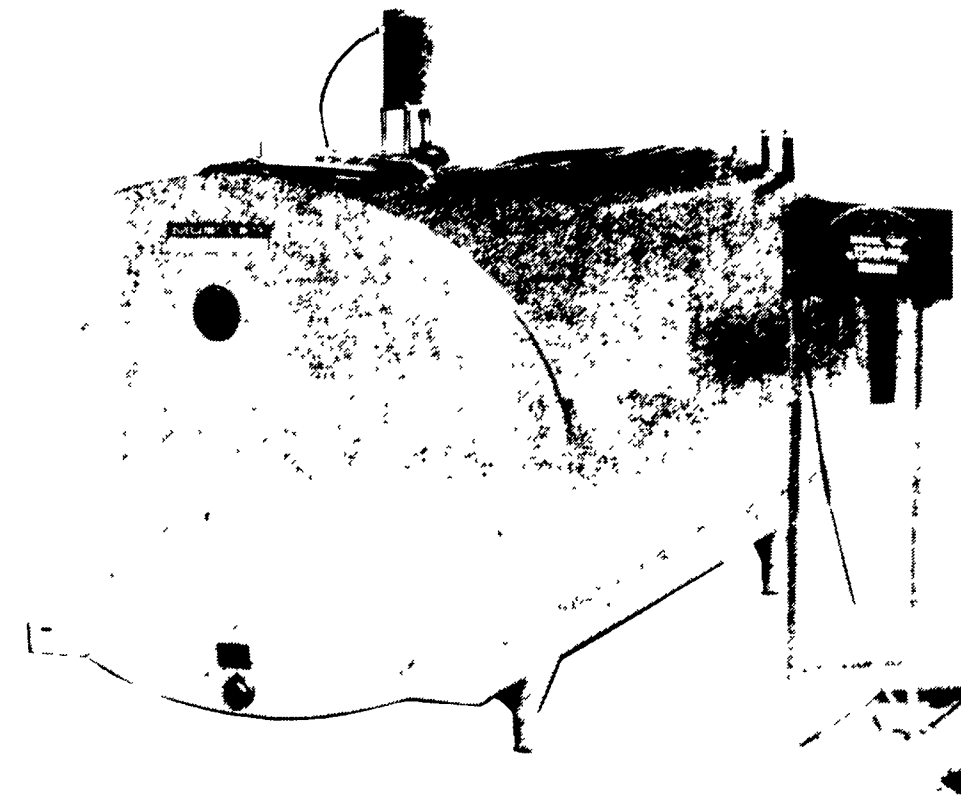

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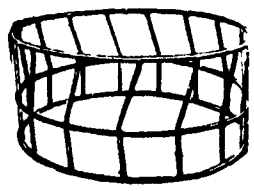

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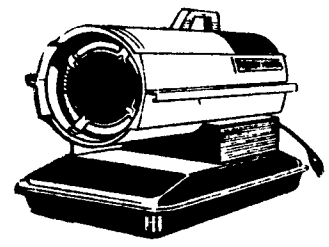

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Thermostat for Space Heaters
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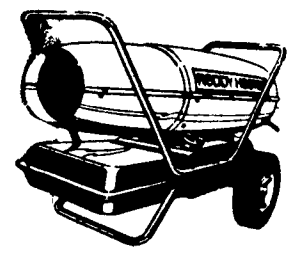

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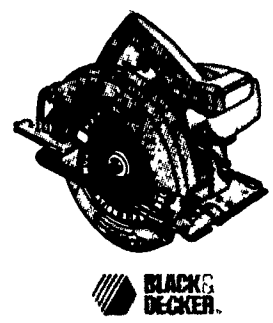

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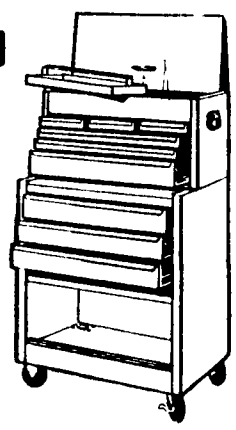

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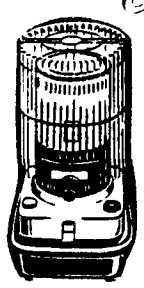

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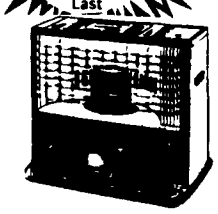

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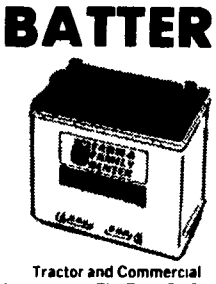

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3 Yr	12	350	24/24F	29 99
4 Yr	12	400	24/24F	35 99
5 Yr	12	500	24/24F	41 99
3 Yr	12	350	74	32 99
5 Yr	12	500	74	42 99
2 Yr	6	480	1	30 99
3 Yr	6	525	1	34 99
2 Yr	12	715	4DLT	83 99
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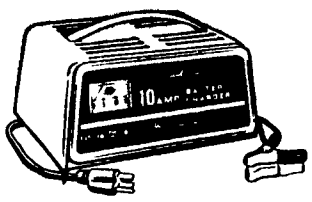

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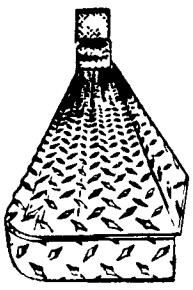

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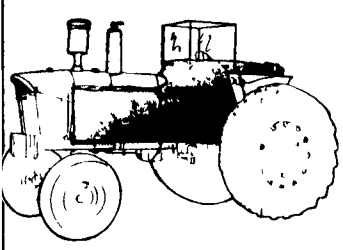

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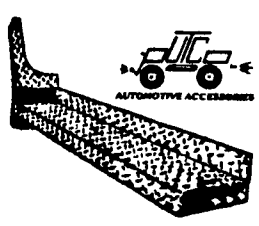

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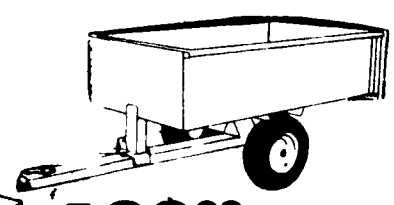

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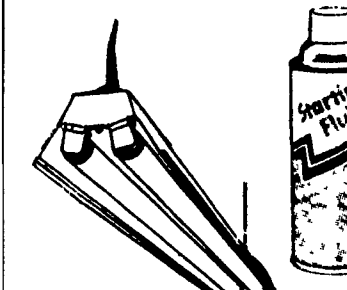

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

How to be a good manager

Laborers and technicians are essential in agriculture. Without them the manager would have no one to carry out decisions and no one to do the work. Probably the future of farming will see fewer managers operating larger businesses.

There will also be fewer laborers as farming becomes even more technical than it is today. (Wait until tractors are controlled by robots in the not too distant future.). There will be a great demand for good farmer technicians who can follow directions and at the same time make short term decisions within a framework determined by the manager.

What sets apart the farmes who view themselves as managers?

The Manager

Farmers who view themselves as primarily managers;

-Keep abundant records and use them to improve their business;

-Gather facts, then sort those facts out into priority categories according to a long range plan they have developed;

-Use the same type of support people that are used by the technician farmers, but more to test potential decisions or to get additional facts to use in making decisions than in actually having the support person make the decision.

-Use support people as sounding boards or to help seek out weak points in a decision;

-Make concrete long range plans from which they then develop short range goals and plans;

-Are willing to put a lot of time into planning the business course for the future and setting priorities for goals they establish as part of the long range plan;

-Seldom borrow money without knowing where it will go, what alternatives other than actually borrowing there are, and how it will be paid back;

-Seldom make purchase decisions on emotion but rather on facts with the primary motive being, "Will it be profitable?";

-Understand the supply-demand problem as a very complex one with no easy answer–usually they realize that the only solution is for supplies to be reduced which may mean lost farmers;

-Are determined that they will not be among those lost farmers to the extent that they are willing to make drastic changes in their business even if it means retrenching, selling off assets, and setting new goals;

-Are constantly aware of production costs, marketing opportunities, and how much debt they can handle;

-Work more hours but probably do less physical work than either laborers or technicians because their priorities are different – they realize that planning, thinking, observing, and managing are as essential for the success of the business as the physical work;

-Learned early in the game that responsibilities had to be delegated if the operation was to succeed;

-Are usually strong willed and self assured people with no doubts about their own ability, which means they have no problem accepting criticism or suggestions from anyone they consider knowledgable.

Interestingly enough some of the more successful partnerships and family corporations are those with one partner or owner being the manager and the rest technicians and/or laborers. Two strong willed managers can spell disaster for a family sized business unless they can agree early in the game on a split of responsibilites. Even then if one of them can not reconcile to being second much of the time there will be conflicts as to what gets top priority.

The Farmer

Actually most farmers are a composite of the three parts previously outlined. The percentage of laborer, technician, and manager in the composite farmer varies tremendously and that is where the problems occur. The ideal percentage of each ingredient varies depending on the size of the business, the primary enterprise, the business structure (sole proprietor, partnership, corporation), the marketing system used (retail, wholesale, partial contract, full contract), and the asset-liability ratio for the business.

Here are some examples to use as guidelines:

Sole Proprietorship with family or part time help: 35% laborer, 30% technician, and 35% manager (top managers will probably reduce the laborer 25% and increase manager to 45%).

Sole Proprietorship with one full time person: 25% laborer, 35% technician, and 40% manager (top managers will probably reduce laborer to 15% and increase manager to 50%).

Sole Proprietorship with two or more full time hired persons: 5 to 15% laborer, 25 to 30% technician, and 55 to 70% manager (laborer goes down and manager goes up as amount of hired people increase and as management rises on the priority list).

Partnership: same as sole proprietorship except one of the partners can provide most of the manager's role with the other partner(s) providing the laborer's and technician's role.

Corporation: depends on relationship of stockholders to the business (workers, operators, not involved in day to day decisions and/or work).

Plan soil conservation practices now, says SCS

LEESPORT – The corn and beans that covered fields have been harvested and most field work has been completed Soon many farmers will begin their 1986 farming operation.

They will be calculating the cost of seed and fertilizer, the amount of fuel that will be needed to plow, plant and cultivate the fields and the many other factors that can make or break their operation. However, many will overlook the cost of soil erosion says Duane Pysher, district conservationist with the Soil Conservation Service. He said, "soil conservation must be included in the yearly planning session if the farmer is to maintain the long term productivity of the land".

According to Mr. Pysher the period between harvest and spring planting is ideal for soil conservation planning. At that time the farmer can walk across the fields and see where surface water has removed topsoil.

When surface runoff is removing topsoil the farmer can get help from the Soil Conservation Service. Their technicians will walk over the fields with the farmer and explain the various conservation practices that can reduce soil erosion. Then the farmer can select the practices that best fit his overall operation. Pysher stated that now is the time for soil conservation planning. He said, "if it is put off for another year the needed conservation practices will also be put off and declining productivity will be the end result".

For help with conservation planning or other conservation assistance contact your local Soil Conservation Service office.

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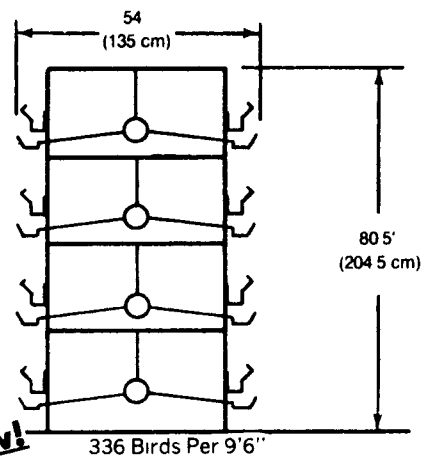

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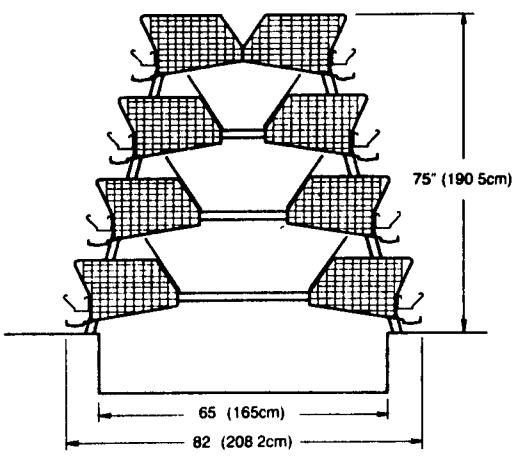

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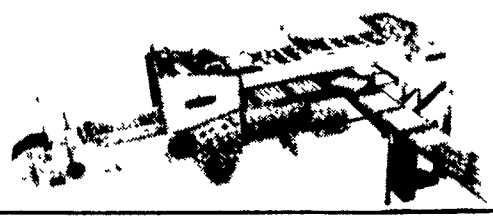

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Farm Talk

by

Jerry Webb

No guilt in eating meat

There's no real reason for American meat eaters to have a guilty conscience. Their habit isn't causing world hunger, according to Department of Agriculture experts, and if they were to stop eating meat, it would not cure the world hunger problem.

There is a long-standing argument that meat production is a waste of agricultural resources. That grain fed to livestock could better be used as human food. Critics of the meat industry point out that it takes more than six pounds of grain to produce a pound of beef in feedlot confinement. And that vast acreages are thus diverted from more important food production.

It would be rather difficult to convince American grain farmers that the world's hungry would be better off if we stopped producing meat animals. After all, farmers are wallowing in another record crop of feed grains. Harvest prices are at a near record low, considering the inflated dollar they're receiving. Surpluses are steadily building in American granaries and the American farmer is looking for a better market. He needs all the meat animals possible to consume that large grain crop and even then there's plenty left over.

USDA economist Donnel O'Flynn has pulled together some figures that indicate cutting out meat production in the United States would not help the world hunger problem. He says, "The reason that so much of the world's grain goes to livestock is that consumers in wealthier nations can afford to pay for it." And he points out that if their demand for livestock products fell off, prices would plummet and feed grain production would actually decrease. This would result in relatively little benefit to the poor.

Perhaps if agriculture were run by the government in every country, as it is in Russia, decrees could be issued that would force farmers to grow food crops that could be used directly by people. And if livestock were eliminated, or the amount of grain-fed livestock drastically reduced, obviously more acres would be available for food crop production.

But in our free enterprise system and in some other countries, it just doesn't work that way. No one tells a farmer what to grow; it's more a matter of responding to opportunities. If a farmer thinks corn prices are going to be strong, he'll grow corn, or whatever other crops he is capable of growing that look like a good bet.

Unfortunately for American farmers right now, most of them are locked into two or three major feed grain crops and they have little choice. They knew going into this year's production that wheat, corn and soybeans would all be relatively low priced.

Many farmers will lose money this year. Some may break even, but very few will show any real profit. And so next year they'll make their decisions based on past history and what they see as future opportunity. And within the limitations of their farming systems, they'll plant what they think is going to be most profitable, not what the world's hungry people need the most.

The fact is the world's hungry, given a choice, would like to have more rice–a crop that doesn't do very well in this country. There are regions where it can be grown, but they're limited and rice production does take special knowledge and special equipment.

There are other food products that might find world demand, but they're somewhat limited, and again if there were a world market American farmers would certainly respond to it. It has nothing to do with their loyalty to the livestock industry.

A grain farmer in Kansas would grow sugarcane instead of corn if he could make more money. A rice farmer in Texas would grow wheat if that seemed the most profitable, and a Delmarva corn and soybean farmer would readily switch to something else, especially after this year, if he could see a long-term opportunity.

Farmers themselves and ag college research and extension personnel are constantly looking for new crops–ones that are suited to the geographic conditions, that meet a need in the marketplace, and that farmers can adjust to.

Locally, they've looked at such diverse crops as sunflowers, sugar beets, grain sorghum and a wide range of vegetable crops, hoping to come up with something that farmers can grow as an alternative to corn and soybeans in those years when prices look less than favorable.

Obviously, the livestock industry has a concern that enough corn and soybeans are produced. The industry demonstrates that concern in the marketplace by paying enough to keep farmers producing. In a surplus situation farmers are apt to receive less than the cost of production. And over the long haul, unless prices improve, farmers will find some alternatives.

After a disastrous crop year money-wise, you can bet local farmers are going to take a hard look at some alternatives. If the market is there for food crops, and if they feel they have the ability to produce for those markets, there'll be some adjustments. The only relationship between that and world hunger has to do with economics.

If world hunger creates a demand and if that demand causes certain crop prices to increase, then farmers will respond. But right now most of the world hunger seems to exist in nations that have limited ability to buy in the world market. Consequently, they do very little to stimulate prices and demand. And so grain farmers continue to produce corn and soybeans for the American livestock market and in a limited way for the world livestock market. Meanwhile, they fume about foreign subsidies, tariffs, and other restrictions that make them less than competitive in that world market.

So forget the argument about meat eaters taking the bread from the mouths of hungry people. Maybe it doesn't sound very humanitarian, but farmers respond to market demand, not emotional appeal. This nation has plenty of crops and plenty more productive capacity. It's up to the nations with hungry people to make their needs known in the marketplace--then watch American farmers respond to whatever that market is.

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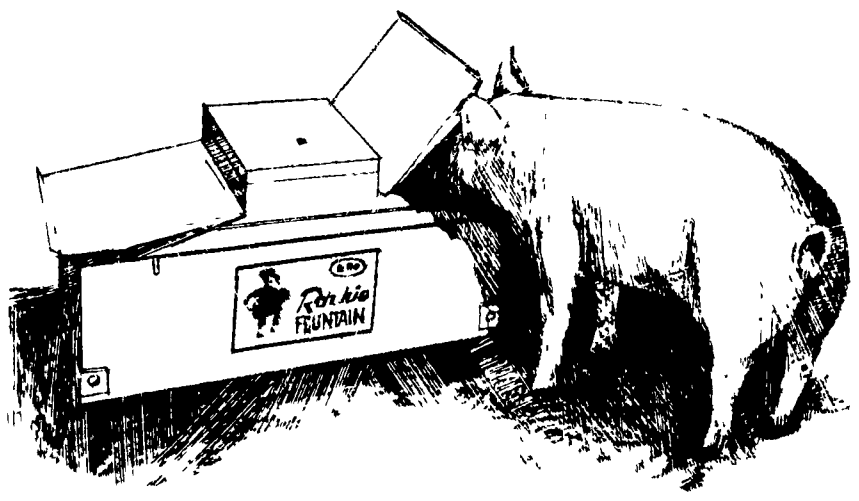

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360	Cotton Flannel Gloves	$1 69	$1.09
600	Suede Palm Glove	$1 99	$1.29
34	Skiing Action Animal	$1 35	$.99
36	Puffy Animal Stickers	$ 95	$.79
20	6" Plush Baby Bawana (Monkey)	$3 19	$1.95
18	Colorful Strings of Beads	$1 89	$1.10
21	IH Combine 1/80th Scale	$5 49	$4.50
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5	3 Piece Pantry Jar Set	$12 95	$9.00
18	4 Qt. Enamel Wash Basin	$5 39	$3.95
12	Bake & Roast Pan 12x9x2	$3 09	$1.95
12	Pyrex, Flavor Save 6½" Pie Plate	$3 25	$2.80
2	Rectangular Casserole Basket	$5 40	$3.15
5	Woodgrain Tray 15x20	$7 50	$4.50
12	Handmade House Broom	$6 39	$5.00
1	Coleman Camping Stove 413H	$69 49	$48.00
1	Coleman Camping Stove 425F	$46 35	$44.00
4	Bisque Bird Bath, Ceramic	$20 25	$15.00
6	Wood Recipe Box	$9 09	$3.95
1	Sportsman Hand Lantern	$26 99	$19.00
1	Food Grinder, Kitchen Size	$15 00	$12.00
18	12" Outdoor Thermometer w/Picture	$13 69	$8.50
1	Battery Clock	$27 19	$20.00
2	Battery Clock #652970	$18 39	$12.95
19	Bottle Pourer #638153	$1 09	$.60
7	Foley 3 Cup Sifter	$3 55	$2.00
100	5 lb. Plastic Scrapple Pan	$ 75	$.55
25	1 Gallon Insulated Jugs	$7 85	$5.00
21	26 Gallon Rough Neck Garbage Can	$13 49	$9.00
1	Disston Rechargeable #1050 Lantern	$35 00	$5.00
3	Inside-Outside Car Thermometer	$18 49	$10.95
10	Holiday Cooking Baking Set	$17 99	$8.88
20	Ceramic Teddy Bear Bank	$2 29	$1.89
1	Computerized Kerosene Heater		$299.95

INDUSTRIAL DEPARTMENT

DON T FORGET our 10% discount will include the MILWAUKEE Industrial tool line as well as SKIL B&D PORTER CABLE INGERSOLL RAND DREMEL WELLER AND MASTER APPLIANCE

	List Price	Sale Price
SUCH AS "MILWAUKEE"		
¼ Variable Speed Reversing Drill	124 00	111.59
7½" Circular Saw	159 00	142.99
4½" Sander Grinder	139 00	$124.99
AND "BLACK AND DECKER		
3/8" Variable Speed Reversible Drill	113 00	$101.99
7½" Sawcat Circular Saw	113 40	$101.99
4½" Sander Grinder	102 00	$91.79
AND "PORTER CABLE"		
1½ HP Router	134 00	$119.99
3x24 Beltsander	181 00	$161.99
4½x5½ Finish Sander	87 50	$78.75
AND "INGERSOLL RAND"		
3/8 Impact Wrench	120 00	$107.99
½ Impact Wrench	132 00	$112.00
¾ Impact Wrench	545.00	$475.00

PLUS MANY MORE

TERMS

You Can Place Your Order From December 9 Thru December 14 Orders Placed After December 14 Will Not Receive The 10% Discount 20% Deposit Required Master Card and Visa Honored For Deposit Or Full Payment On Ordering

DEALS FROM DEPARTMENT 2

QTY.	DESCCRIPTION	REG	SALE
1	#91-100C ¼" Socket Set	$12 49	$9.50
2	91-111 ¼" Drive Set	$39 19	$29.00
100	Claw Hammers	$5 95	$3.99
35	¾"x16' Tape Measure	$9 19	$4.44
30	42x66 Shrink Film Kit	$3 39	$2.44
2	Ceiling Light Fixture	$18 40	$12.50
2	Wall Light Fixture	$15 85	$12.00
5	16 Compartment Organizer	$11 79	$9.00
7	4' Adjustable Tool Holder	$6 15	$4.00
2	B&D Workmate #11241-097	$29 99	$20.00
1	Wood Lathe #30505-423	$164 99	$100.00
1	Drill Press Stand #11148-097	$21 88	$15.00
1	Belt & Disc Sander #30707-423	$119 99	$75.00
1	7" 2 Speed Sander/Polisher	$97 49	$65.00
1	Turbo Sander	$39 95	$20.00
3	Steel Shop Stand		
3	Steel Shop Stand	$11 99	$8.00
1	Desk-Type Rotary Dial Phone	$27 99	$15.00
4	Desk-Type Touchtone Phone	$44 99	$20.00
1	Wall-Type Touchtone Phone	$49 99	$20.00
25	20 oz. Steel Handle Claw Hammer	$19 99	$12.99
10	2 HP Air Compressor	$429 99	$349.99

DEALS FROM DEPARTMENT 3

QTY.	DESCRIPTION	REG	SALE
80	Champion Spark Plug #DJ8J	$1 19	$.80
1	Rear Axle for Ford 8N #2156 020	$79 99	$30.00
20'	#55 Chain for One Chain Bale Elev.	$ --	$10.00
45	AIM #A030 Oil Filter Fits most GM	$2 89	$1.00
23	AIM #A08A Oil Filter (Fits most Ford)	$2 89	$1.00
10	AC Oil Filter #PF426 Fits some MM	$5 19	$2.00
3	AC Air Filter #A299C Fits some JD & IH	$19 45	$5.00
100	Muffler Clamp (1⅞, 2, 2¼ & 2½)	$	$.55
100	Muffler Clamp 1⅞, 2, 2¼ & 2½	$ 55	2/$.59
2 Rolls	⅛ Diam. 250' Plastic Coated Cable	$30 59	$21.00
35'	½ Steel Cable Remnant	$47 95	$21.00
All	2 Prong Rock Guards for Hay Mowers	$ --	$5.00
All	1 Prong Rock Guards for Hay Mowers	$ --	$2.00
All	Mower Knife Sections (no chrome)	$ 60	$ 40
1	#1066 Piston & Sleeve Set for IH M	$249 95	$100.00
1	#1050 Piston & Sleeve Set Ferg TO20	$184 99	$100 00
1	90017 Generator for M H 44	$69 99	$20 00
1	90049 Generator Ford 6, 7 & 800	$79 99	$50.00
1	90053 Starter for AC WD	$74 99	$40.00
1	90066 Starter JD A 1944 to 1947	$174 99	$50 00
1	90080 Generator IH A, H & M 52 to 54	$79 99	$50.00
10	16489 In Line, Field Sprayer Strainer	$12 99	$9 00
10	16548 In Line, Field Sprayer Strainer	$12 99	$9.00
15	16554 Suction Strainer	$15 99	$8.50
6	19677 6 Roller Sprayr Pump	$54 99	$42.00
1	15741 12 Volt Battery	$46 99	$15.00
2	15788 12 Volt Battery	$50 99	$15.00
2	15772 12 Volt Battry	$49 99	$15.00
1	15739 12 Volt Battery	$48 99	$15 00
2	15732 12 Volt Battery	$56 99	$15.00
4	15771 12 Volt Lawn Mower Battery	$39 99	$10.00
3	15732 12 Volt Lawn Mower Battery	$39 99	$10.00
4	15768 12 Volt Battery	$50 99	$15.00
1	15783 12 Volt Battery	$79 99	$15.00
1	15784 12 Volt Battery BCI Group 8D	$163 99	$50.00
4	15750 12 Volt Battery	$59 99	$15.00
6	Pickup Truck Bumpers Gray "You Fit"	$ --	$15.00
1	23974 Fuel Transfer Pump 110 Volt	$299 99	$215.00
12	13956 Battery Tester	$2 79	$1.70
10	9855 Pistol Grip Grease Gun	$10 99	$7.25
20	Gunk Garage Floor Cleaner Quart	$3 35	$.99
10	Minute Wax by Turtle Wax	$6 55	$2.50
15	18631 Engine Block Heater	$11 99	$2.00
3	Electric Fence Charger Runs on 110v	$65 99	$50.00
3	Electric Fence Charger Battery Powered	$44 99	$10.00
3	27500 Mechanical Grain Spreaders	$36 99	$5.30
2	6586 5x8 Hydraic Cylinder	$144 99	$50.00
1	6506 4x8 Hydraic Cylinder	$96 99	$40.00
1	6504 3x24 Weatherbeaten Hyd. Cylinder	$104 99	$50.00
1	Heated Cattle Waterer for 200 Head	$303 25	$150.00
2	9513 15x34 Grain Gate	$29 97	$12.00
4	9773 Tractor Seat Cushion "Shopworn"	$27 99	$2.00
1	20,000 Gal. Per Hr. Gas Engine Pump	$650 00	$450.00
20	12381 Single Point Chisel Spikes	$22 00	$5.00
100 qts.	GT2040 Pennzoil Motor Oil	$1 29	$.98
100 qts.	GT2050 Pennzoil Motor Oil	$1 45	$1.00
100 qts.	15W50 Gas or Diesel Pennzoil Motor Oil	$1 35	$1.00
1	Water Heater Elec. 52 Gal. Cabinet Type	$ --	$95.00
1	Pride of Farm 20 Bushel Hog Feeder	$268 65	$200.00
1	3 Point Hookup 6 Cu. Ft. Cement Mixer	$579 99	$435.00
2	16' Bale Elevator, Single Chain	$374 99	$275.00
2	Bale Carrier for Large Round Bales	$174 99	$129.99
2	12257 Lift Frame for 3 Pt. Hitch	$119 99	$65.00
400	4S Brand Permanent Anti-Freeze	$3 29	$3.19
2	6' Light Duty 3 Pt. Scraper & Blade	$149 99	$75.00
3	3 Pt. Hitch Potato Plow or Subsoiler	$89 95	$60.00
1	1 Row 3 Pt. Cultivator "Unassembled"	$199 95	$80.00
1	200 Gallon Lely Field Sprayer	$1500 00	$999.00
1	7 Bushel 3 Pt. Hitch Seeder	$399 90	$100.00
1	6 Bushel 3 Pt. Hitch Seeder	$309 90	$100.00
1	3 Pt. Disc Harrow	$499 95	$400.00
1	5' Diam.x2' Deep, Steel Tank	$189 99	$100.00
6	10' Panel Type Farm Gate	$38 35	$25.00
6	14' Panel Type Farm Gate	$48 70	$35.00
3	Used 55 Gallon Drums	$ --	$8.00
4	Used 35 Gallon Drums	$ --	$5.00
10	2'x5' ¼ Mesh Netting	$4 95	$2.90
8	2'x5' ½ Mesh Netting	$4 30	$2.50
50	6½' Steel T-Posts for Fence	$4 05	$2.95
8	330 Ft. Rolls Field Fence Asst. Sizes	$ --	$50.00
300'	¾" All Purpose Clear Braided Hose	$ 85/ft	$.55/ft.
300'	½" All Purpose Clear Braided Hose	$ 55/ft	$.35/ft.
6	4" Clothes Dryer Vent Hood	$3 79	$1.70
3	5' Bury Depth Yard Hydrant	$40 59	$29.00
6	Anti-Sweat Toilet Tank Liners	$9 49	$5.00
1	Water Cooler with Fridge (New)	$ --	$200 00

DEALS FROM DEPARTMENT 4

QTY.	DESCRIPTION	REG.	SALE
143	3/4x60 Masking Tape	$ 85	$ 55
16	5 Minute Epoxy Kit	$3 05	$1.65
32	Disston Lawn Rakes	$6 89	$2.99
27	30" Bamboo Rake	$7 25	$5 19
13	Wooden Flower Trellis	$8 00	$3.99
10	Wooden 6'x4' Flower Trellis	$21 25	$14.99
15	Aluminum Adjustable Flower Trellis	$15 99	$10.99
29	Carefree Plastic Lawn Rakes	$5 69	$4.29
5	B&D 16" Hedge Trimmer	$51 19	$41.99
1	Cyclone Push Type Broadcast Spreader	$44 99	$29.99
3	Push Type Broadcast Spreader	$29 99	$20 99
41	Japanese Beetle Traps Steel	$ --	$ 99
15	Plastic Lawn Edging Logs	$2 89	$1.99
2	5' Wide Porch Swing #807041	$56 19	$35.00
1	5' Porch Swing	$69 99	$50.00
1	#811483 Porch Swing	$81 95	$40.00
1	Convertible Hand Truck #707444	$29 95	$20.00
11	3 Cu. Ft. Wheelbarrow	$24 59	$18.99
19	Liquid Weed & Feed	$9 99	$5.59
2	Snail Traps	$2 20	$.50
4	Gypsy Moth Tape	$4 10	$.99
3	Wasp Traps	$7 00	$2.00
1	200 Lb. Capacity Gardenway Cart	$105 15	$75.00
2	300 Lb. Capacity Gardenway Cart	$158 69	$135.00
1	400 Lb. Capacity Gardenway Cart	$179 39	$150.00
50	Houseplant Food Tablets	$ 59	$.29
20	50 Lb. Reading Bone Fertilizer	$5 49	$3.99
15	Twist Connectors for Garden Hose 731541	$2 59	$1.69
5	Twist Connectors for Garden Hose 733146	$1 85	$1.39
8	"Twist" Hose Nozzle 10676-073	$4 79	$3.79
2	Melnor Lawn Sprinklrs	$6 49	$3.49
5	Remington Electric Chain Saw 11138-097	$49 99	$30.00
825	Safety Zone Signs	$ 16	$.08
20	Driveway Filler & Sealer 5 Gal. Size	$11 29	$9.99
5	Liquid Aluminum Roof Coating - 5 Gal.	$34 99	$29.00
30	Barn Pant, Latex, Red 5 Gallon	$39 99	$25.99
5	Fabulon Clear Floor Finish 1 Gal.	$26 59	$24.99
5	Exterior Minwax Stain	$15 55	$9.99
10	Block Buster Scrubbers	$1 45	$.80
2	Paint Removal Kits	$9 16	$2.00
3	Rustoleum Tractor Paint Asst. Colors	$30 69	$20.99
3	Drain & Water Siphon	$ --	$.75
5	MM Red Tractor Paint #9438-060 - Quart	$5 39	$2.00
4	Tarp Paint, To Restore Old Tarps - Gallon	$11 49	$5.00
8	Hesston Red Tractor Paint Quart	$5 39	$2.49
7	Spray Nails Adhesive 14 oz. 263823	$7 19	$3.19
Many	Rustoleum Spray Paint 13 oz.	$ --	$2.66
22	IH Red Tractor Paint (Gal.)	$16 99	$9.99
22	JD Green Tractor Paint	$16 99	$9.99
Many	2x60 Silver Duct Tape	$5 29	$3.88
20	Asst. Mailbox Letters	$ 29	$.05
12	Floor & Deck Enamel Slate Gray, Gallon	$18 99	$11.88
54	Thompson Clear Water Seal	$16 99	$9.88
8	Waterproofing Masonry Cement	$ --	$2.00
1	UGL Cement Paint Gray	$13 99	$5.00
20	6" Butterfly Dampers for Heat Duct	$ --	$.50
6	6" Wall Support Kid for Stove Pipe	$23 19	$15.00
20	6" Wall Bands for Stove Pipe	$11 19	$5.00
10	8" Wall Bands for Stove Pipe	$11 19	$5.00
1	Toro Power Blower Accessories Set	$ --	$15.00
1	Paramount Power Blower Accessories Set	$ --	$15.00
2	Basketball Net Rings	$6 05	$3.00
1	36' Wood Extension Ladder	$136 99	$90.00
	Asst. Sheetmetal Duct Work	$Cheap	$Cheap
1	Heat Duct Booster Fan	$43 75	$25.00
1	10" Round Booster Fan	$28 10	$15.00
12	Asst Sizes Floor Heat Registers	$5 00 &	Under
18	3' Stove Dampers	$2 09	$.50
3	8" Insulated Stove Pipe Tee	$91 99	$40.00
1	10 Stove Pipe Heat Saver	$106 89	$75.00
1	9 Stove Pipe Heat Saver	$106 89	$75 00
1	7 Stove Pipe Heat Saver	$106 89	$75.00
3	12" Turbine Ventilators	$24 05	$15 00
19	5 Galvanized Stope Pipe Tees	$5 09	$2 00
15	16 oz. Charcoal 'For Plants'	$1 29	$.59
17	10-6-4 HWI Weed-N-Feed (Lumpy)	17 Bags/$17.00	

DEALS FROM DEPARTMENT 5

QTY.	DESCRIPTION	REG	SALE
	SALT		
	80 lb. Super Soft Solar Crystal for Water Softener		$4.49
	80 lb. Super Soft Pellets For Water Softener		$6.89
	80 lb. Medium Solar for Ice Melting		$4.49
	50 lb. Medium Solar for Ice Melting		$3.59
	ICE MELTER (Potassium Chloride) Harmless to Vegetation No White Residue, Fast Acting and Economical (1 Cup per Sq. Yd.)	10 lb 25 lb 100 lb	$2.39 $5.99 $24.99
Unlim	17 Gal. Plastic Mushroom Jugs w/Handles Like Milk Cans		$2.25

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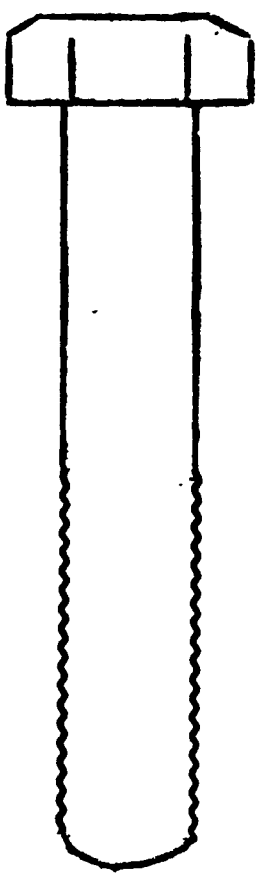

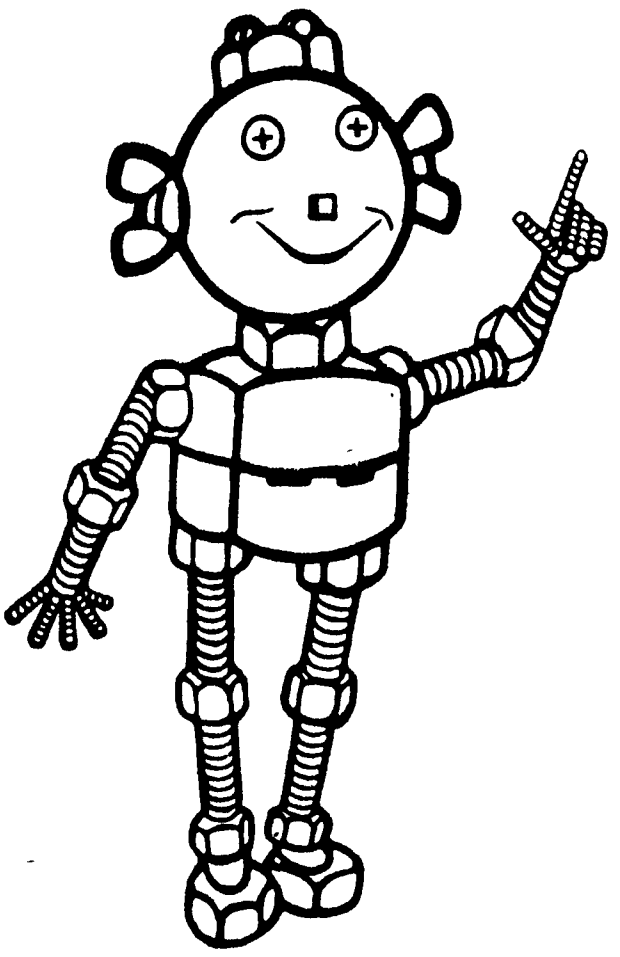

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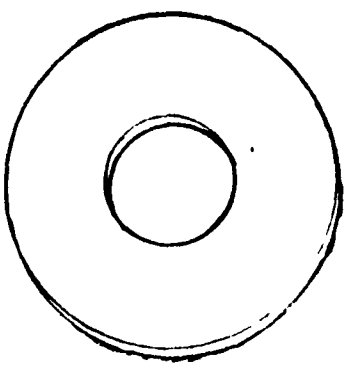
AND SAVE



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#2
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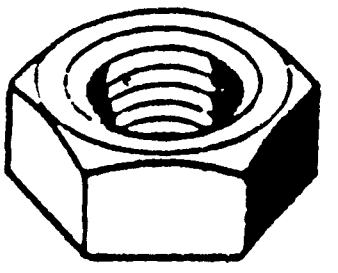
#3
Come in on Dec. 14 between 8 and 4 - shop on your own... buy, pay and take away!!



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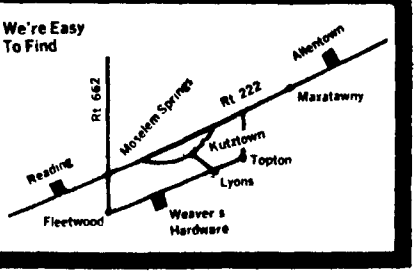

The Dairy Business

By Newton Bair

"Jake, where did you put that bill for repairs?"

"Which one?"

"The big one."

"They're all big."

"The one for the new main bearings that froze up at corn picking time".

"It must be in my jacket pocket. No–, look in the top drawer with the other bills. Uh–, maybe I left it in the pickup. Pay it later".

"If I can find the checkbook."

"Mm-mm. I must have forgotten to fill out the check stubs last month. One was for $54. That might have been for groceries–no, I think it was for school clothes, or was that the bill for the fuel tank on the combine? – "I wrote something on a tablet– Oh yes,, I used the kitchen calendar when I couldn't find the tablet. Which calendar was it?—, I hope it wasn't the one Susie cut up for the pretty cow pictures!!.

Most of us know the frustrations of chasing the loose ends of farm records like a pen of heifers in the cornfield. We know all the jokes about those farmers that keep their records in the pick-up glove box or in their overall pocket. Don't look so innocent. Many of us grew up doing just that, until something happened that woke us up to the foolishness of the practice.

Maybe the Internal Revenue Service will put up with that kind of low finance, but will your farm business survive it? Not for very long. Even the more organized bill shuffler and tablet paper stacker will need to have those records in some order that allows for close analysis. That means a good system of books, regular weekly entries, and a monthly summary to monitor the cash flow. And regular conferences with a competent financial advisor or accountant, with monthly and quarterly summaries.

Most farmers are not inclined to be accountants. They just work hard to make enough money to pay the bills, put bread on the table, keep the bank happy, and buy some candy for the kids and chewing tabacco for the hired man. Mom usually ends up as family bookkeeper. And her job is not made any easier when she has to search through pockets, pick-ups, and under the combine seat. Not to mention the missing tablets and the cut up calendar.

She needs an office. Not a walnut paneled room with plush carpet and soft music. Just a desk in the kitchen corner, a file cabinet, a swivel chair, and a good calculator. And an "in" basket and an "out" one. And she needs a good ledger book set up by a farm accountant, and above all, A REGULAR TIME SET ASIDE TO DO THE BOOKWORK. It helps if she also enjoys the extra role of family financier, economist, and playmaster.

There are some pretty good farm record books available at low or no cost. A record book is most useful when the entries can be easily sorted into proper categories for analysis. The "shoebox mentality" leaves too much out. Even professional accountants are only interested in things like asset value, total debts and net worth. They like to look at debt per cow, debt per acre, and income per man. All the things a banker likes to know. But there is much more to good bookkeeping.

Things like kind and variety of seeds, fertilizer analysis on each field, chemicals used on each field when, where and how much, and at what cost per acre. Planting and harvest dates. How much fuel does each tractor use, how many hours do you put on that $25,000 tractor? Which piece of equipment is used only 15 hours a year? What did it cost to grow an acre of corn this year?

These are the kinds of things that most ordinary record books don't tell. And neither will the shoe box.

"Oh Jake, I found that old bill. Stuck on the inside of the clothes dryer. It was due last month."

Maybe a desk drawer and ledger book is better than a shoebox. Not so, if the "shoebox mentality" is still running the show.

Ag students should look to computers

WASHINGTON – Students who plan a career in agriculture must focus on computers and technology, or look backwards at the days of farming with mules, said agricultural leaders who addressed the recent National FFA Seminar on Computers in Agriculture in Washington, D.C.

The choice is obvious, said Dr. Larry Case, National FFA Advsier to the U.S. Department of Education.

"When looking at careers in agriculture, technology may be the key that will open the doors for today's ag students," Case told about 100 participants at the seminar.

Richard Weening, president of AgriData Resources Inc., Milwaukee, Wis., said: "It will be up to this generation to recognize the great power and potential of computing. Those who are able to survive the next decade of change will be those who can harness this power and use it as the primary marketing, management and decision-making tool."

The seminar honored 36 state winners of the second annual "Computers in Agriculture Awards." The awards are sponsored as a special project of the National FFA Foundation by AgriData Resources. AgriData Resources operates a national on-line agriculture information and communications service.

The seminar recognizes FFA members who have made great progress in using computers in agriculture and agribusiness, and provides an educational opportunity for students and advisers.

Those at the seminar attended presentations by students and industry representatives on computer applications in agriculture. Students received hands-on experience with a number of computers provided by Apple, Radio Shack and Zenith.

Students also viewed presentations of the first on-line computer education system, the Ag Ed Network, developed by AgriData Resources in cooperation with the National FFA Organization.

"Agriculture is changing dramatically and the influx of high technology will make sure we move with and adapt to the changes," Case said.

Forage Conference scheduled

HAGERSTOWN, Md. – The most economical production of milk and meat in cattle is based on rations containing high quality forages. Proper harvest timing, procedures and storage contribute to the assurance that forage feeds containing the highest TDN values will be available to your livestock.

Producing, harvesting, and feeding high quality forages will be the thrust of the Central Maryland Forage Conference to be held on Dec. 13 at Urbana Fire Hall.

Dr. Larry Satter, dairy research scientist with the USDA Dairy-Forage Research Center in Madison, Wisc., will present his findings on silage fermentation aids at the Central Maryland Forage Conference.

Other topics to be presented during the Forage Conference will include the utilization of forage testing and hay marketing, which will also be addressed by Dr. Satter. Dr. Kim Cassel, University of Maryland dairy nutritionist, will present findings derived from work with PEP herds in Maryland which demonstrates how lower than expected forage quality is robbing dairymen of profit. The adjustment of hay and silage harvesting equipment and its relationship to forage quality will be discussed by Jim Williamson of Sperry-New Holland. Production of more nutrients per acre is the aim of a presentation by William Fleet, agronomist with Pioneer HiBred International, as he discusses managing alfalfa for maximum economic yields.

Contact your nearest MD Cooperative Extension Office to register for the Forage Conference.

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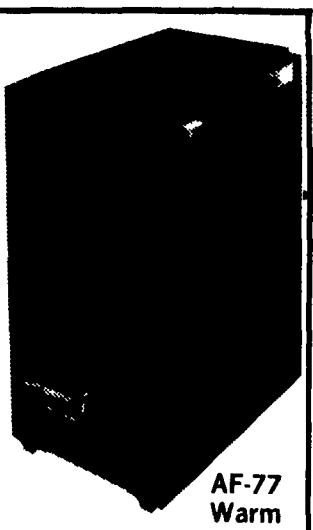

AF-77 Warm Air Furnace

Shenandoah

R77-C COAL/WOOD
• Airtight Design • Automatic Thermostat
• Fire Brick Lined • Cast Iron Shaker Grate
• Large Ash Pan • 26" Fire Box

SAVE $117 to $290 (Limited To Present Stock)

Model		List	SAVE	SALE
R76C	- Coal/Wood w/Porcelain Jacket	$689	$172	$517
R76	- Wood	$589	$147	$442
R77-C	- Coal/Wood	$469	$117	$352
AF77	- Wood	$773	$193	$580
FHL	- Wood	$705	$176	$529
FHL-C	- Coal/Wood	$769	$192	$577
FH-19/BR	- Wood Fireplace Insert w/Brass Doors	$1159	$290	$869
FH-19-C	- Coal Fireplace Insert	$1064	$289	$869

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QUAKERTOWN, PA 18951
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Drive A Little...
SAVE A LOT!

HOURS: Tues & Wed. 9-8 Thurs. 9-5 Fri. 9-8 Sat. 9-4 Sun. 12-4 Closed Mon

FREE! Just For Stopping In
80 PAGE "The Complete Wood Heat Catalog"
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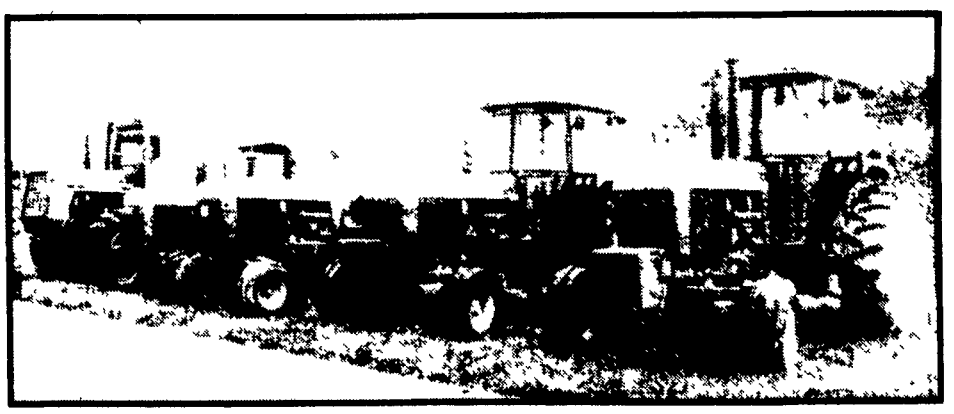
Lehigh Ag Equipment Is Now Offering

DRASTIC PRICE CUTS

ON TRACTORS IN STOCK!

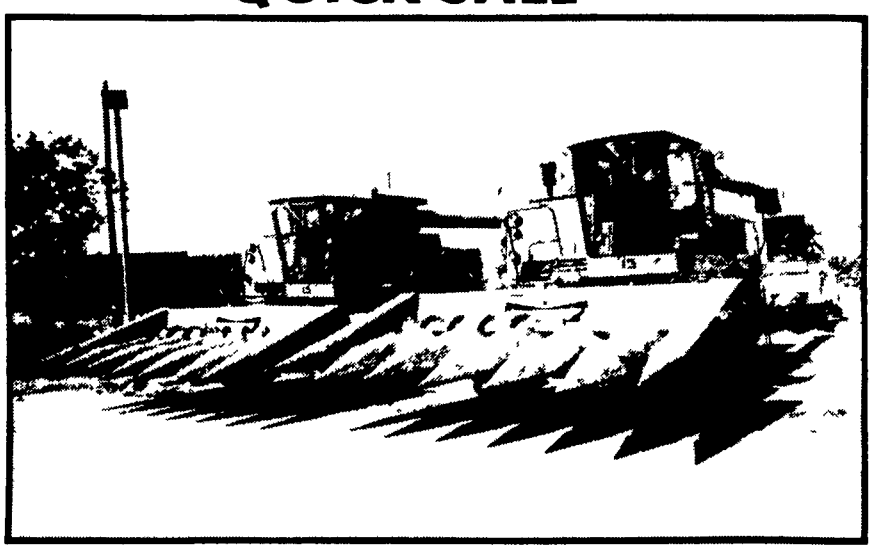


TRACTORS - CLEAN UNITS - PRICED RIGHT

New JD 4240 . . . . . Factory Cab & Air
JD 4440 . . . . . PS, Factory Cab & Air
JD 4240 . . . . . Factory Cab & Air
JD 4240 Row Crop . . . . . Fenders
JD 4230 . . . . . Synchro/Enclosure
JD 4020 Diesel . . . . . Power Shift
JD 4010 Diesel . . . . . With Loader
IH 4186 . . . . . Factory Cab & Air
(Big 4 WD P SOLD Priced Right!)

★ NO INTEREST UNTIL OCTOBER 1, 1986 ★

COMBINES PRICED FOR QUICK SALE



(2) JD 6620 Sidehills, extra low hours, hydrostatic drive, 643 corn head, 215 flex platform, grain monitors, header height control, LIKE NEW

(2) JD 6600 Sidehills . . One Hydrostatic
(1) JD 4420 Combine
(1) JD 7700 Diesel

★ SPECIALS - NO WARRANTY ★

JD 6600 Sid SOLD ombine
JD 6600 Ga: SOLD ine
JD 105 Diese SOLD bine

No Interest Til 9/1/86 On All New & Used Combines

LEHIGH AG EQUIPMENT

Division of Faindl's Farms

RD #2, Wescosville, Pa. 215-398-2553
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CLASSIFIED ADS

PHONE: 717-626-1164 or 717-394-3047

1 FARM EQUIPMENT

IHC #550 manure spreader w/end gate, A-1 condition. Call Evenings. 201-782-4297 or 369-4784

IH Snow Plow, $175.; NH 256 Rake, $1,075.; NH 675 Manure Spreader, 275 bushel, $1,675. 717-354-0266

IH 584 diesel, in new condition. Also JD 2030 diesel, in good condition. 717-733-4583

JD 2030 diesel, high and low, heavy duty front end. Real clean. 814-793-4293

JD 4020 power shift, dual hydraulics. 814-793-4293.

JD 4230 fender tractor, dual hydraulics, excellent condition. 814-793-4293

JD 4320 cab & air, dual hydraulics, 38" rubber, like new. 814-793-4293.

JD 4430, cab & air, 77 model, power shift, 814-793-4293.

JD 450 Crawler Loader, 814-793-4293.

JD 4520 w/factory cab, dual hydraulics, excellent. 814-793-4293

JD 5020, 72 model with new engine and duals. 814-793-4293

TO BETTER EQUIPMENT
Find It In Lancaster Farming's Classified Pages.

For Sale: 1980 JD 7720, 1,100 hrs., excellent condition, loaded. $44,000. or Offer; 643 corn head and 215 flex head also available. 301-831-5217

For Sale: 1984 Honda ATC Big Red, new condition. 717-426-3135.

For Sale: 1983 JD model 8300 grain drill, good condition. Must sell. Call 717-273-5231 or 717-273-6748.

For Sale: 6' Howards rotovator $1000. Berks Co. 215-683-7230.

Gleaner L diesel, 15', 6-30", kept inside, nice shape. $8,900. Larry Stalter, "The Combine Man". 219-862-2151

M2 Gleaner, corn and soybean, hydro, in excellent condition, $19,800. Larry Stalter, "The Combine Man". 219-862-2151

NI 2 row, narrow row corn picker w/12 roll bed. 814-793-4293.

NI 325 corn picker, 327 husking unit, 329 shelling unit, very good. $12,000. Northumberland County. 717-538-1306

Oliver 1655, original paint, 3 pt 814-793-4293.

Oliver 1855, wide front, 3 pt. hitch. 814-793-4293.

JD 6030 cab & air, 38" rubber, dual hydraulics. 814-793-4293.

MF 175 diesel, excellent condition. 814-793-4293.

MF 300 combine, cab, hume reel, auto. head control, good condition. Best reasonable offer. 717-464-2894

FOR SALE: NI 319 picker, 2R mounted 322, husking bed, 315 sheller. Farmec gravity wagon, $500. 215-682-6516.

FOR SALE: NH stackliner 1034 and NH stackline 1010 automatic bale wagons, good working condition. 717-626-2866.

FOR SALE: New 36" Roskamp ear corn roller-crusher w/silo blower discharge. Priced to sell. One still in stock. Call, 717-687-7574.

FOR SALE: Skid loader, 1200 Owatonna. $2,500. 215-445-5725.

FOR SALE: White 1755 Tractor, excellent condition, $4,500 717-248-8389.

FOR SALE: 2R custom built corn planters w/JD max-emerge units Pull type or 3 pt, no-till or conventional, with or without fertilizer attachment. For brochure Pequea Planter, RD2, Box 2276, Gap, PA 17527

D6 Caterpillar w/blade, good condition. 814-793-4293

FARMERS! Need Used Parts? Book list 350 plus parts yards. Coast to coast. Cost $6. Postpaid We are also parting hundreds of tractors and combines. Austin Farm Salvage, Route 4, Dept. LF, Butler, Missouri. 64730. 816-679-4080

Farm fan Model 350 batch grain dryer/augers. 609-259-3733.

FORD 671 gas, 10 spd. w/industrial front pump loader, $3,500. 301-833-9091

FOR SALE. Elevator, 36' long New Idea w/electric motor, two round corn cribs, 1200 bu. capacity. Call 301-734-7197.

FOR SALE: FMC flatbed tomato harvester 717-653-5244.

FOR SALE: Hay pickup for JD 35 to 3800 harvester; JD 2840 tractor w/1900 hrs., excellent condition 215-445-4410.

FOR SALE: H Farmall tractor. $795. 717-382-4725.

FOR SALE: JD 420 crawler loader. Lehigh Co 215-298-2057.

FOR SALE: JD 1520 diesel, 3 pt., power steering, independent PTO, good rubber, $4,300 or Best Offer 215-445-6156

FOR SALE. MF 1080 tractor 38" wheels; IH 3 pt 7 tooth chisel plow, Model 55. 717-587-3396, evenings 348-0693.

One 6600 JD Combine w/17' platform. One 1805 MF w/7000 gal. manure tanker. One Lilliston no-till drill 717-637-0192.

SNAP BEAN HARVESTERS-Chisholm-Ryder, 2 row IH 4-666s, 3-504s diesels & gas Complete w/dump carts. Reasonable. Some parts for Chisholm-Ryder Harvesters. 609-769-3183.

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Used sawmills for sale. We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA 19518 215-385-3884.

WAGONS: Side dump Farmhand 3 and 5 ton capacity. 609-769-3183.

White 2-105 dual outlets, 38" rubber, 1800 hrs. 814-793-4293

White 2-150 cab and air 814-793-4293

(1) CE Allis Chalmers farm tractor complete w/pulley, cultivators and turning plows. $1,200. 717-862-3658

6600 Side Hill, hydrostatic, excellent condition, $25,000. Larry Stalter, "The Combine Man" 219-862-2151

For Sale: NH 1037 Stackliner automatic bale wagon and 1052 stack retriever. 609-859-8549 after 5.

For Sale. Semi Liquid Manure Spreader w/Pequea widespread, in good condition. Omar S. Fisher, 434 Newport Rd., Ronks, Pa. 17572.

Backhoe Ford 555, 1979, cab, good shape 609-397-2786

Combines & corn & grain headers at wholesale prices. Call Larry Stalter, "The Combine Man." 219-862-2151.

Farmall 400, PS, fast hitch, wide front, live PTO, remote hyd., T.A., in good running condition 717-687-0102.

Farmers & Dealers - Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164.

FOR SALE-AS 600 Super B grain dryer - 3 phase, Ideal Metal bin, approx 250 bushel capacity. 717-286-6411 or 717-286-0215.

For Sale: Bale Thrower Wagons, Steel or Wood Will fit sides onto your flatbed. Also, Available Flatbed Wagons.
STOLTZFUS WOODWORK
Rt. 2, Gap, PA 17527
(717)442-8972

For Sale: Farmall C w/cultivators. $950. 717-865-3488

For Sale: IH 1066 Diesel, cab, dual hyd., power take-off, full weights, excellent condition. 12 Tooth chisel plow. Call before 8 a.m. or after 4 p.m., 717-366-0222.

For Sale. Kubota B6200, 4 WD, hydro. drive w/snow blower & more, excellent condition. Make Offer. Franklin County 717-532-9234

Lancaster Farming
P.O. Box 366
Lititz, PA 17543
717-394-3047
or Lititz
717-626-1164
Mon., Tues., Wed.,
8 a.m. to 5 p.m.
Thurs. & Fri.
7 a.m. to 5 p.m.

The following categories are available for your classified advertising in Section C. Deadline- Thursday morning at 9 of each week's publication

1 - Farm Equipment
2 - Farm Equipment Wanted
3 - Silos and Unloaders
4 - Building and Supplies
5 - Grain Equipment
6 - Dairy Equipment

The following categories are available for your classified advertising, in Section B. Deadline- Wednesday afternoon at 5 of each week's publication.

7 - Livestock Equipment
8 - Cattle
9 - Horses & Mules
10 - Sheep & Goats
11 - Swine
12 - Artificial Breeding
13 - Hog Equipment & Supplies
14 - Poultry & Supplies
15 - Feed & Seed
16 - Fertilizer
17 - Plants
18 - Fruits & Vegetables
19 - Nursery
20 - Lawn & Garden
21 - Services Offered
22 - Custom Work
23 - Help Wanted
24 - Situations Wanted
25 - Business Opportunities
26 - Household
27 - Pets
28 - Lost
29 - Found
30 - Computers
31 - Notice
32 - Miscellaneous
33 - Recreational Vehicles
34 - Autos
35 - Trucks and Trailers
36 - Real Estate

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NOTE: Please do not use this form for Mail Box Market Ads, see instructions in Section D with Mailbox Markets.

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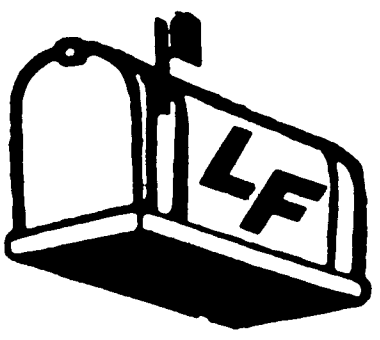
SECTION B - WEDNESDAY AT 5:00 P.M.
SECTION C - THURSDAY AT 9:00 A.M. OF EACH WEEK'S PUBLICATION



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23¢ per word per week - 3 or more times
11 word minimum

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12	3.48	6.96	8.28
13	3.77	7.54	8.97
14	4.06	8.12	9.66
15	4.35	8.70	10.35
16	4.64	9.28	11.04
17	4.93	9.86	11.73
18	5.22	10.44	12.42
19	5.51	11.02	13.11
20	5.80	11.60	13.80

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1 FARM EQUIPMENT

CRAWLER LOADER JD 350B w/forks, $6,800/Offer. 301-833-9091

CRAWLER LOADER Case 450, good condition and good U/C, $7,200. 301-833-9091

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New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others. Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
Call or write for equipment and parts brochure.
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Route 309
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Phone: 215-699-3533

Cub LoBoy 1PTH, hydraulic, some attachments; Int'l 2 bottom, roll-over plow, Farmec 24' elevator, like new; Farmhand grinder blower for high moisture corn. 717-687-0102

Cub LoBoy 1PTH, hydraulic, some attachments; Int'l 2 bottom, roll-over plow, Farmec 24' elevator, like new; Farmhand grinder blower for high moisture corn. 717-687-0102

DISC HARROW: New Rhino Model 200, double offset, 10' cut, very heavy duty. Save $1,000. Call Sheaffer evenings, 301-778-0185.

D4 Caterpillar w/blade and winch, excellent. 814-793-4293

All types of hay, straw and ear corn. Two row AVCO New Idea 319 mounted corn picker w/322, 12 roll husking unit and new 315 sheller unit. Call 201-735-8389 after 6+30 PM.

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Dismantling Crawler & Rubber Tire Construction Equipment. Most makes & models available.
AC, Case, Cat, JD, IH, Michigan & others. Used & new parts available
NEW ARRIVALS INCLUDE:
AC HD7G, HD11E, IH175B. JD350 engine, good condition, $2,000.
Balanda Equipment Co.
PO Box 337
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215-855-9207
Day or Night

BACKHOE LOADER Ford 4500, 1300 original hrs. Must See. $12,000. 301-833-9091

BACKHOE LOADER Ford-/Belmar 4 WD, runs well, needs trans. work, $2,800. 301-833-9091

BACKHOE LOADER IH 3400, very good condition, needs trans. work, $4,800. 301-833-9091

Case 2670, 4WD, cab & air, low hrs.; 1370 cab & air; JD 2950, new; JD 2840; 4020 JD; 3020 JD; Int. 656; Triple 6; White 588 plow, automatic reset; F700 Mack truck w/250 Cummins. 717-292-1856.

Combines, corn heads, grain heads-inventory moving fast. It's hard to keep up with advertising. Wholesale prices only. Call us. Larry Stalter, "The Combine Man". 219-862-2151

FOR SALE: 345 Mustang skid loader; 930 Case diesel tractor; AC 14' wing disc. 717-684-3579.

Ford Model 16-66, 2R mounted corn picker. Between 5 & 10PM, 717-278-1605.

Ford TW10, cab, air, radio, 4x4, low hrs., $17,900. 717-265-4440.

For Sale: JD 4430, cab, air, new turbo, new rubber, good condition w/JD 158 loader w/snow bucket and regular bucket. $13,500. 717-733-1602

For Sale: MF 2675 with 1400 hrs., roll guard, good condition. Lebanon Co., 717-866-6167.

For Sale: NH 38 Crop Chopper, 1983 model, like new, cut less than 20 acres. NH 518 Manure Spreader w/hyd. endgate. NI 325 Corn Picker w/12 roll husking bed. IH#5 Flail Chopper. Papec Grinder Mixer. Tye No Till Drill. Juniata Co., 717-463-3371. After 5, 717-463-2877.

Gehl 120 Grinder Mixer, working condition, $2500. 703-786-8572 or 703-972-1738.

Heavy Duty Super Rhino Scraper Blade, 3 pt. hitch. Double auger McKee snow blower. Both in excellent condition. 15 Rolls of snow fence. Travel trailer, will make good deer hunting camp, cheap. Pair of platform scales, good condition. John Strawbridge, 301-941-1122.

AC XT190 diesel, original paint, new rubber, excellent condition. 814-793-4293

Huber road maintainer grader, 10', hyd., blade hyd. angle, 6 cyl. gas, good shape. Somerset Co., NJ 201-469-2744.

IH 1150 Grinder Mixer, hammers never turned, excellent condition. 301-838-5639, 301-836-9066.

IH 1200 fast hitch sickle, $625. 301-833-9091

IH 460 Farmall gas, 2 pt., NF, excellent condition, $1,800. 301-833-9091

IH 806 diesel for parts, engine in excellent condition; JD 7000 4 row narrow conservation corn planter; JD 24T baler Lebanon Co 717-273-2910

IH 915 combine, A1 condition, rice tires & straw chopper, $19,000. 215-357-2692

Int. 1066 w/cab, new tork, excellent condition. 814-793-4293

Int. 400 diesel tractor w/Int 3-14" plows, $1,300; JD 2-14" plows, JD grain drill, 17 disc for parts only. 215-437-2510

Int. 684 D tractor, used Asking $12,000 215-588-7019 between 5 & 6PM.

Int. 350, original paint, dual hydraulics, 38" rubber, excellent condition. 814-793-4293.

IRRIGATION PIPE & HUMIDISTAT: 600' used 6"x30'. Also, Humistat by Hygrodynamics, Inc. 717-532-9108.

JD 1219 haybine, no-clog guards, used 1 summer, $7,800. Bedford Co 814-623-1831.

JD 2640, w/2 outlets & ind. PTO w/loader. $13,350. 703-786-8572 or 703-972-1738.

JD 2940, 4WD w/roll guards, 1,000 hours, like new, $15,500. 814-793-4293.

JD 3010, diesel, WF, good rubber, solid & original, $4,500. 717-532-8926.

JD 3010, 2100 original hrs., mint condition, $4,800. 717-776-3276.

JD 4000, side console, dual hyd., WFE, 38 rubber, sharp, $7,500. 717-532-8926.

JD 4240, QR, cab, 4WD, 2500 hours, wts., clean, $14,900. 717-532-8926.

1977 JD 4230, 4WD, cab, air, heat, 2 hyd., nice condition. $14,500. 717-532-8601.

1979 JD 2440, new condition, 60HP, air w/new spray cab, $15,000. 215-256-8650.

1981 IH Conser-Till Chisel Plow, 10' pull type w/12' Midwest Buster Bar, excellent condition. 301-838-5639, 301-836-9066.

1982 JD 4040, cab, air, heat, 2 hyd., 1920 original hours., $13,500 cash deal. 717-532-8601.

1982 JD 4240, cab, air, heat, 4WD, in like new condition, $19,000 717-532-8601.

1982 JD 4240, 2WD, cab, air, heat, QR trans., 2 hyd., in showroom condition, $18,500. 717-532-8601.

1982 JD 4440, cab, air, QR trans., dual hyd., low hours, like new condition, $20,000. 717-532-8601.

1982 JD 4640, 4WD, cab, air, heat, loaded, like new condition, $24,500. 717-532-8601.

2HP Nova stationery gasoline engine, collectors item, over 40 years old, excellent condition 717-359-5568 after 5.

Kubota FL1072, 60" Rotary Tiller, $650. 717-569-3359.

McCormick Deering steel wheeled wagon; belt pulley for MF. 717-275-3309.

MF S90, 8 spd. w/MP, 3PTH, 1450 original hrs., new rubber, PS, HD frt. end loader w/hyd. tilt. Eves. 215-383-5545.

MF 1100 diesel, dual hydraulics. 814-793-4293.

MF 1800 adj. dual remotes, wgts., $5,500. 717-265-4440.

MF 2745, like new condition, cab & air. 814-793-4293.

MF 300 combine, gas w/13' grain head and 222 corn head, very good condition; 129 Cub Cadet w/42" mower, disc, plow, cultivator. Call 302-856-6321.

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MM 900 diesel, good condition. 814-793-4293

M-W round baler, 800# bales. Take over lease, $256/month or $7,500. Bedford Co. 814-623-1831.

NH 495 haybine, very good condition, $3,000/Offer. 301-833-9091

NH 510 triple beater spreader, 1 owner, excellent condition, $1,500/Offer. 301-833-9091

JD 4430, QR, cab, dual hyd., $8,200 spent on new motor, sharp, $12,500. 717-532-8926.

JD 4430, 4 post, PS, dual hyd., diff-lock, nice, $9,500. 717-532-8926.

JD 4440, PS, cab, new 20x38 rubber, like new, $18,500. 717-532-8926.

JD 4620 syn. range, very good condition, 20.8x38 tires, $7,900. May trade for skid loader. 412-667-8820.

JD 4630 cab, air, power shift. 814-793-4293.

JD 630 gas w/factory wide front and flat top fenders, excellent condition, all original. Must See. $3,500/Offer 301-833-9091

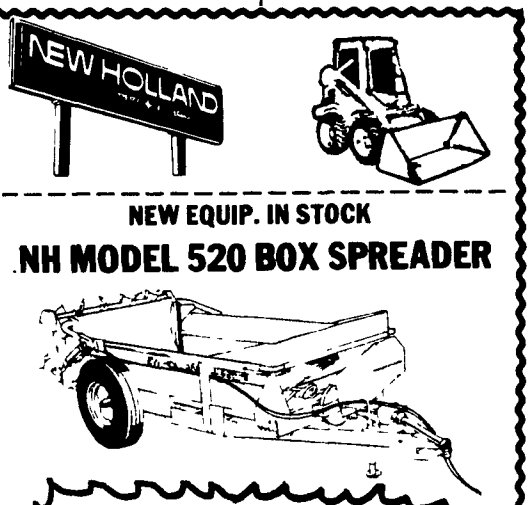
JD 6600 diesel, hydro, real good shape, rotating screen, $8,500. Larry Stalter, "The Combine Man". 219-862-2151

JD 7000 4-30 plateless planter w/insect attachment & 200 monitor, $3800. 703-786-8572 or 703-972-1738.

JD 730 Diesel, elect. start w/fenders, 3 pt., PS, fair condition, $3,000. 717-532-8601.

Oliver 1650 hydro power drive, complete overhaul w/new paint and new 16" tires, $4,200. Real good tractor. 717-436-8628.

NI 4R corn stalk shredder, 12' wide, York Co. 717-225-3066.



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Value $1,335

ALSO APPLIES TO #513 & #680 SPREADER
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N.H. #320 Baler w/#70 Thrower

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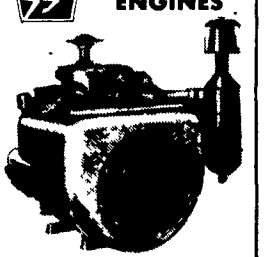
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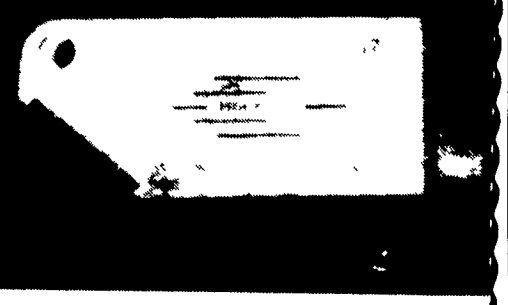

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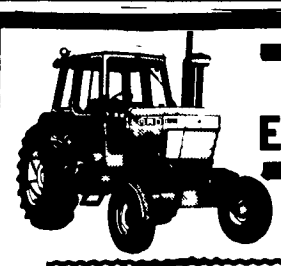

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IH 400D
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IH 470 disk-8ft
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NI 214 Manure Spreader
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AC 7080
AC 210
AC 200
Kubota L245 w/Mid Mount Mower
IH 986
IH SOLD

PLANTERS

AC 7R Bean
(2) AC 600 4R no-till
AC 600 6R no-till

LAWN & GARDEN

Simplicity w/Attach.
AC 712H w/42" Mower
AC 410
AC B10
AC Big 10
AC 720 5' Cut

LOADERS & FORKLIFTS

NH 425 Skid
(2) AC Model 50LPS
AC Model 50
AC Model C40X
AC 715 Backhoe
NH L35 Loader w/D100 Backhoe SOLD
AC 540
JD 170
Oliver 12-60D Dozer
IH 4130 Skid

FORAGE EQUIPMENT

IH 830 w/2RN
NH 770R2
NH 782 w/824 & WPU
NH 890N3
NH 1890 Hydro C/A w/2 Heads, w/550 hrs.
(2) NH 38 Choppers
NH 880 R2 Head
(4) NH 822 Corn Head
Fox 4400 SP w/WPU, 3RN SOLD
(2) NH 28 Blowers

SPREADERS

NH 520 w/End Gate
NH 346 SOLD
NH 371 SOLD
NI 244 w/End Gate
NH 791
NH 329

WAGONS

Artsway Feeder w/ SOLD
NH 10 SOLD
NH 1003 Bale Running Gear
Grove Fg.
(2) Dion Fg. Wagons

BALERS

(2) NH 851 Auto Wrap
(2) NH 273 w/54A Thrower
NH 320 w/58 Thrower
NH 320 w/70 Thrower
NH 315 w/Chute
IH 440
JD 466 Wire

MOWER CONDITIONERS

Hesston PT 10
NH 479
NH 1495 D w/12' Head
NH 1495 Plan.
NH 1469 SP 9'
(2) NH 489
NH 488
NH 490
NH 495
NH 1495 SP, 12' Hyd., C/A

PLOWS

AC 5 Bottom 18"
IH 4 Bot. mounted

RAKES

(3) NH 258 NH 256
(3) NH 260
(3) V-Tandem Hitch Ford

MOWERS

Bush Hog Batwing
Ford 906 Rotary
Woods RM 48
(2) NH 451
(3) 462 Disc
NH 463 Disc

COMBINES

NH 995 with Grain and Corn Head
NH TR70 w/960 and 962W4
Gleaner E w/3 Heads
AC C II w/2 Heads
AC FKS2 w/430 Corn Head and 313 Flex Head
AC G440 Corn Head

MISCELLANEOUS

Brillion STS 10 Trans. Harrow
Pulvin SOLD r, 14'
Brillion 10' Pulvimulcher
NH 85 Bale Handler
NH 80 Bale Mover
NH Str SOLD pper
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Buster Bar for Disc

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MM 670 Gas
MF Super 90 Dsl. w/Loader
IH 154 Cub w/Mower
Ford 501 3 pt. Mower
NH 516 Spreader
IH 540 Manure Spreader
IH Grain Drill
Herd 3 pt. Fert Spreader
NH 69 Baler w/Thrower
IH 37 Baler w/Thrower
Hesston PT10 Mower Conditioner
Hub 30' Elevator
MF 880 5B 18" Plow
Case 5B 16" Plow
JD 4x14 Mtd. Plow
NH 450 Sycle Bar Mower
NH 822 Corn Head
Gehl 65 Grinder Mixer
Brillion 24' Field Harrow
MF 300 Combine
MF 205 Combine
Gehl CB1000 Harvester w/(2) Heads, 2 yrs. old
Gehl 600 For. Harv. w/2 Heads
Fox Blower
Gehl 4500 Skid Loader w/Backhoe Attach.
Kasten 14' Forage Box
NH S23 Blower

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JD 213 Grain Platform

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JD 4400 Diesel

AUTOMOBILES
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JD 4440 JD 4040

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JD 110 Tractor

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21' CLW Bale Body

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JD 4010
JD 5020 New Engine
JD 2840 Solid
JD 2510 Gas
JD 2020 Gas
MF 2705 w/Duals
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JD 210 Disk
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JD 5020, cab & duals. 4320, cab. 2 - 3020D. 2840 with loader. 2640, 2040
IHC 756. 706D, cab. 684, 674, 544, Super MTA, H, 230, 140, 100, Super A, with equipment, Cubs
Ford 5000, 4000, 800, 600, 8N's, 9N
Kubota 7500, 4WD Demo.
MF 175, 135

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Skid Steer Loader NH 445, 225, Bobcat 610 - gas. 611 - diesel
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AC 100+ HP Power unit with clutch, Ford 50 HP power unit
3, 6, & 12 ton Tag-a-long Trailers
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4 Used Tank Type Spreaders
15 Used PTO, Ground Drive & Conventional Spreaders
2000 gallon Vacuum Liquid Manure Spreader, excellent condition
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Better Bilt 1500 gallon Liquid Tanker
Martin Scavenger S1666

HAY EQUIPMENT
Hesston Round Bale or Stack Processor, model 10, like new
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Used Side Rakes - NH 256, 56, 55. JD, New Idea
Balers with Thrower - NH 273, 275, 310, 315, IHC 440, JD 24T
Round Balers NH 850, 846 - like new, Hesston 5800

FORAGE EQUIPMENT
Forage Harvesters NH 718, Super 717, 717. Hesston 7020, 2000-100, 2000-150
Large selection 1 & 2 row Heads, pickup heads - NH 890 - 3 row narrow head
NH 770 - 1 row snapper head
Used Forage Blowers, Gehl 99 - like new, Ford 618, NI 620, IHC 56 JD 6500 - like new
NI Corn Pickers - 4-323 1 row, 310-1 row only $1175, 325 - 2 row narrow
324 - 2 row wide, with husking bed or super sheller
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New Farmhand Regrinder Blower, 50% Discount

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3 used AC, Gehl - 3 beater with roof, tandem gear. Lamco, Grove, New H & S, in stock
JD 310 Grain trailer - self unloading

MISCELLANEOUS
Hesston Stack Hands #10 & 30 Stack Mowers
20 Misc. Hyd. front end loaders for various models & makes tractors. Call for your needs.
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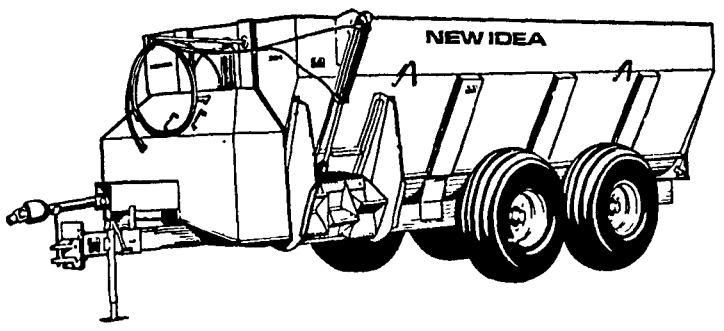

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One Only—Demo Model

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—386 bushel
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Woods 5' PSOLDe Rotary Cutter
JD 24T Baler w/Thrower
JD 27 Flail Shredder
JD 10' Chisel Plow, 3 Pt. Hitch
JD 950 Roller Harrow, 12'
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JD 4 Btm SOLD Plow
JD FBA 1SOLDain Drill
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Loader For JD 317 Tractor
JD 423 Front Blade For 850, 950 & 1050 Tractors
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Lockwood 4R Potato Planter

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JD 1450 Tractor
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JD 143 SOLD
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MF 165 Dsl. multi-power, 2000 hrs, Sharp, $4,250
JD 1020 Dsl. utility, Sharp, $3,950
Ford 6600 diesel, nice, $6,500
MF 275 diesel, 8 spd., $6,250
JD 3020 diesel, power shift, narrow front end, $4,300
IH 706 diesel, torque, fast hitch, $3,200
AC 160 diesel, power steering, $2,750
JD 3020 gas, narrow front, $3,450
MF 65 diesel, $2,500
JD 4320 diesel, cab, 18.4x34 tires, nice, $8,500
Oliver 1650 gas w/cab, nice, $3,450
Super ASOLDall w/cultivators
Farmall 400 diesel fast hitch

HAY EQUIPMENT

3 JD 1209 haybines, $1,500-$2,000
Kuhn, Deutz Fahr, and Nickelson hay tedders, 8'-14', $500-$1,500
NH 275 baler w/thrower, $1,800
NH 850 baler, $2,200
NH 851 baler, $3,450
NH 276 baler w/thrower, $2,650
5 NH 479 Haybines, $1,800-$3,100
NH 310 baler w/thrower, $3,650
4 NH 489 Haybines, $3,200-$3,800
NH 256 rake, nice, $1,350

FORAGE EQUIPMENT

NH #354 Grinder Mixer, hyd., $2,650
352 NH Grinder mixer, as is, $750
NH 357 grinder mixer, $2500
NI 325 picker, 12 row narrow, $3500
NH 357 grinder mixer, 20' extension auger, $2,250
Gehl 99 blower, hi-throw, $500
NH 818 SOLDvester, GM345 Engine, $1,250

TILLAGE EQUIPMENT

Ford 142 spring reset, 3 bottom, $800
Ford 3 bottom plow, $250
Int. 55, 11 tooth chisel plow
White 508 5 bottom semi mounted plow, $1,450
2 Int. 4 row cultivators
Int. 710 6 bottom semi mounted plow, $800

MISCELLANEOUS

Int. 550 manure spreader with tail gate
Int. 175 manure spreader
NH 676 tandem axel manure spreader
NH S676 SOLDandem axel manure spreader
Hog Built 257 tandem axle tank spreader, $1,800

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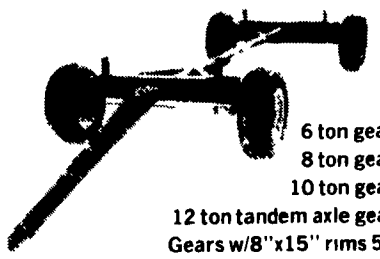
WAGON GEARS



6 ton gear $390
8 ton gear $440
10 ton gear $595
12 ton tandem axle gear $900
Gears w/8"x15" rims 5' tongue
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Vicon Vermeer

NEW VERMEER EQUIPMENT

(1) 605J Auto. Weave (Deluxe)
(1) Hydraulic Drive Rock Picker
(1) 10' No-Til Grain Drill (Rental)
(1) 23' Twin Rake (Demo)
(1) 605H Baler, was $9,000—Now reduced To $8,000!
(3) 4-Basket Tedder Rakes

NEW VICON EQUIPMENT

(3) KM 321 Mower Conditioners 10' 6"
(1) KM 281 Mower Conditioner 9' 5"
(1) KM 240 Mower Conditioner 7' 10"
(4) Vicon Square Balers
(2) Single 4 wheel Rakes
(12) 100-500 gal. Sprayers w/elec. & manual controls & ground drive pumps
(3) 3 pt. Disk Mowers
(3) 1210 Round Balers
(1) 8-Wheel V-Rake
(1) 6-Basket Tedder, 20 Ft.
(20) Fertilizer Spreaders
(2) 4-Basket Tedders

USED EQUIPMENT

(2) Vermeer 605F Balers, $6,250 each
(1) Vermeer 605E, $3,400
(1) Vermeer 504G, $6,500
(2) CM 240 Disc Mowers (Demo)
(1) Vermeer 403F Baler, $5,200
(1) IH 225 Swather, Self Propelled

Special — 2 Used Tye No-Till Drills, 80 inch, 3 pt Hitch $2,200 ea.

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IH 1466, No Cab, Duals
JD 4430 Cab, PS, Sharp
JD 4010 Dsl.
JD 4430 QR, Cab
Deutz DX110 Cab w/Air

• COMBINES
JD 15' Rigid Platform
JD 7700 Rotary Screen, Hydro, 643, 15' Grain Head

• PLANTING EQUIPMENT
JD 1240 4R Double Disc
Oliver Drill 13x7
AC 330 4 Row Planter
JD 7000 4 RN No-till
JD 1440 4 Row No-till
JD 1240 Plateless w/Fert
AC 333 No-till

• TILLAGE
JD F145, 4-16 Semi Mtd. Plow, like new
Ford Disc 24'
JD 215 Disc, 12'
JD 310, 14' Disc
Brillion 14' Mulvimulcher
Brillion 15' Roller Harrow
IH 21' 3 pt. Field Cultivator
Chatanooga 17' Packer

• HAY & FORAGE
JD 3800 Forage Harvester w/2 row Wide Corn Head

• MISCELLANEOUS
6' Rear Scraper
8' Rear Scraper
Woods 15' Rotary Cutter
JD 509 5' Rotary Cutter
Woods 6' Rotary Mower
Rhino 8' Rear Blade, Hea SOLDuty

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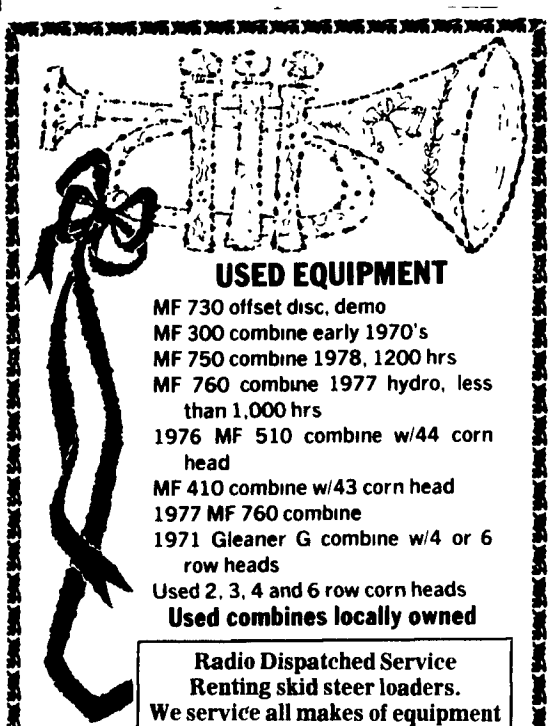

USED EQUIPMENT

MF 730 offset disc, demo
MF 300 combine early 1970's
MF 750 combine 1978, 1200 hrs
MF 760 combine 1977 hydro, less than 1,000 hrs
1976 MF 510 combine w/44 corn head
MF 410 combine w/43 corn head
1977 MF 760 combine
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Deutz-Fahr KS85 rotary rake
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1983 Case 2090
(2) JD LA's, Antique Specials
Case 1390 Tractor, 2 yrs. old, low hrs.
Case 1212, Good Shape
Case 1983, 2590 w/390 hrs. excellent
Int. 806 Dsl., WFE
Int. 6388, excellent condition
Int. 756
Int. 544
Int. 856 Dsl., nice shape
705 Power Unit Diesel, Uni-System
Hesston 4600 Hydraulic Tension Conv. Baler - Will take best offer, only 1 yr. old
OMC 540 Stacker
OMC 540 N Mover
10' Pittsburgh Disc, like new
AMCO 10' 1982 New Disc
RP 10' Disc, A1 Shape (New)
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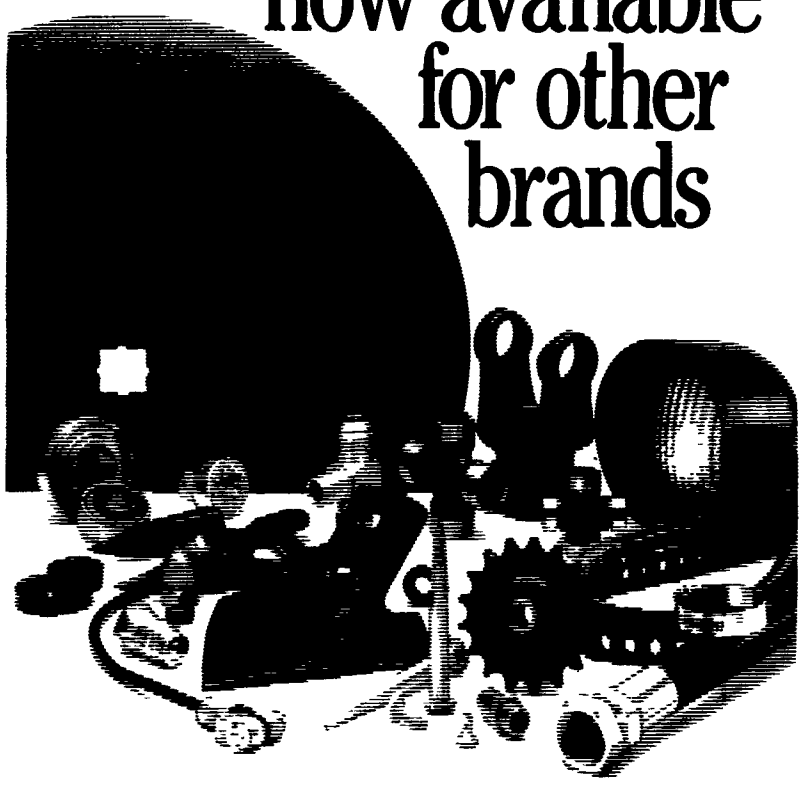

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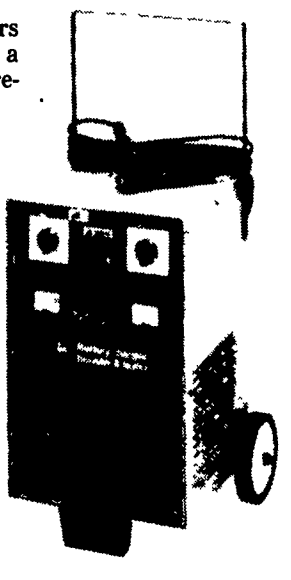
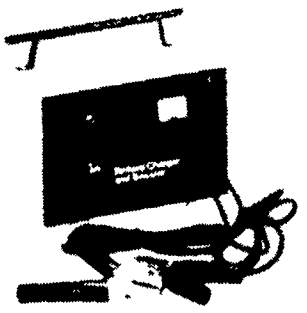
BATTERY CHARGERS

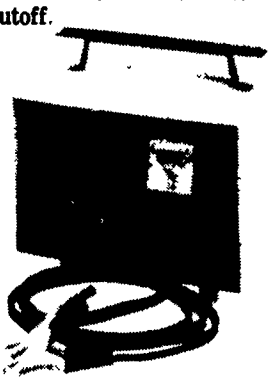
FEATURES
John Deere Battery Charger/Boosters all feature heavy-gauge steel cases; a safety thermal cutoff switch to prevent damage to the battery or charger; large, color-coded terminal grips, and easy-to-read ammeter.

All units are UL and CSA listed. The 80-amp charger meets OSHA requirements.



All have a 5-position dial — off, 6-volt fast charge, 12-volt slow charge, 12-volt fast charge, and 6- or 12-volt boost. The 15-amp and 30-amp chargers have extra-heavy carrying handles. The 80-amp charger wheels right to where it's needed, and has a controlled timer for automatic shutoff.





	Reg.	NOW
• John Deere 10 AMP Charger	$49.00	$39.20
• John Deere 15 AMP/100 Boost	$120.00	$96.00
• John Deere 30 AMP/200 Boost	$159.00	$127.20
• John Deere 80 AMP Floor Model	$265.00	$212.00

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Diesel Tractors

Shift on the Go. Live PTO Yanmar tractors mean a world of operating ease Famous Yanmar Diesel power, 3-point hitch, clutchless on-the-go shifting Test drive a Yanmar

14 to 33 HP

Tractors and Implements More than You Expect

MARTIN HARDWARE & EQUIPMENT CO. INC.
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OPEN Mon Fri 8 8 Wed 8 12 Sat 8 5

EQUIPMENT FOR SALE

Tractors: Moline w/loader; Cub w/mower & blade; Super C w/mower, Pony w/mower & cults; MF 35 tractor; Silver King tractors.

Transport Feed Mixer, 26' Transport 6" Auger. Rosenthal Husker Shredder, 10' Roller Harrow, 3 pt. Saw, Chisel Plow, 1, 2 & 3 bottom plows, Hammermills, V snow plows, 2 & 3 pt. blades, blade for 140 or Super A, PTO & belt drive corn sheller, Gehl Flail Chopper, Gehl Mix-All, post drive, 3 bottom 450 auto. plow.

Lots of equipment not listed. Call evenings:

C.E. KEENER
1531 Manheim Pike, Lancaster
717-898-7446

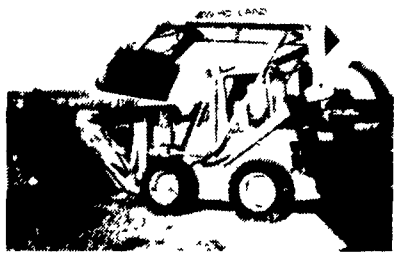
1 FARM EQUIPMENT

TIME FOR THESE TO GO!

New Belarus 820 4x4	$11,970
IHC 684, burnt for parts	$1,500
IHC 100 Hydro, cab & air	$8,000
Cat 966, 4WD loader	$8,750
Case 930 gas	$1,750
Farmall Cub for parts	$750

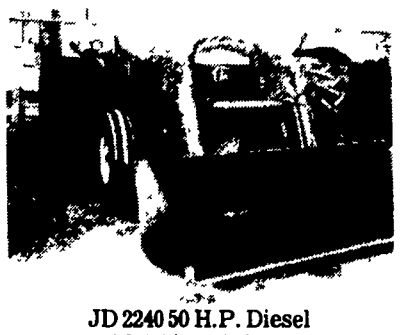
Valley Implement Company
Rt. 38
Newark Valley, NY 13811
607-642-8688

WANTED
IH or Simms cab to fit hydro 84 IH Tractor.
301-745-9408

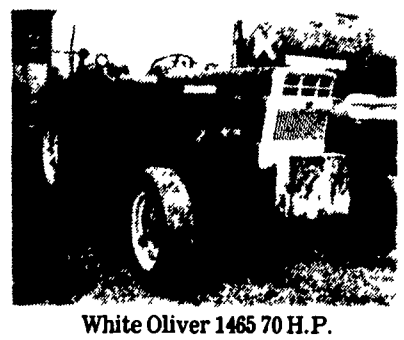


NH L-775 Deutz Diesel 50 H.P.- 394 Hours with New Holland LB11 Backhoe
$19,500.00

NH L-445 Wisconsin Gas 30 H.P.
$7,500.00



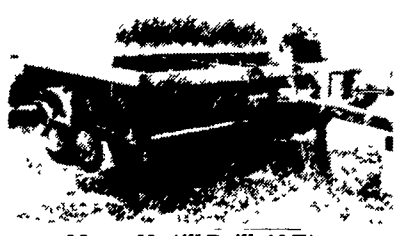
JD 2240 50 H.P. Diesel with Hi/Lo Shift And Model 145 Loader
$10,500.00



White Oliver 1465 70 H.P. Diesel 1974
$5,950.00

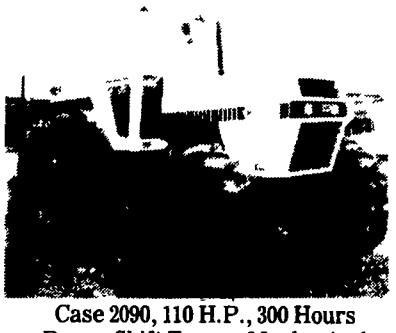
Hesston 5440 Round Baler
$4,800.00

Vermeer Model 605D Round Baler
Ready To Go - Just Arrived
* Waiver of Finance Available
(OR)
* 0% Interest Financing for 24 mo.
$3,250.00



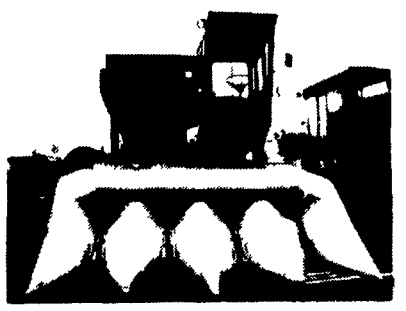
Moore No-till Drill, 10 Ft., 18 Openers, Great for Small Grain, Beans, Grass Seed,
Used Very Little **$4,500.00**

Unverferth McCurdy Cultisystem 5000, 21 ft. Soil Finisher, (Wings and Rolling Baskets Not Showing were Removed for Transport)
Used Very Little **$5,500.00**

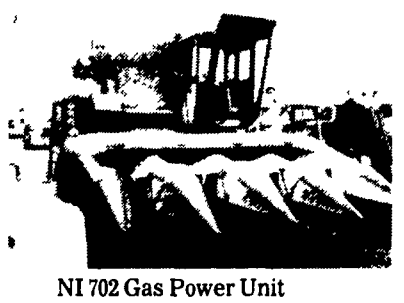


Case 2090, 110 H.P., 300 Hours Power Shift Trans., Mechanical Front Wheel Drive
$22,900.00
Waiver of Finance Available Until Sept. 1, 1986

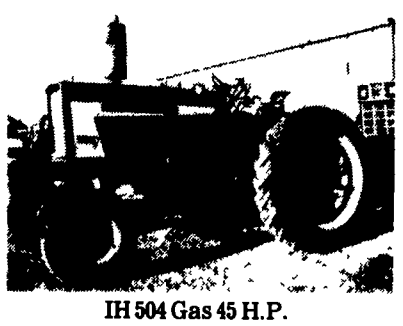
Farmall A With Cultivator And Woods Belly Mounted Mower-Just Arrived, Call For Price



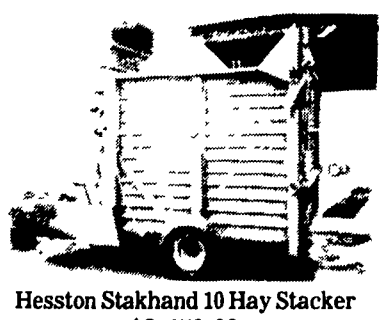
NI 702 Uni System Power Unit, V6 Gas With:
NI 729 Sheller Unit
NI 728 4 Row Corn Head
NI 710 Combine Unit
NI 711 Grain Head **$7,500.00**



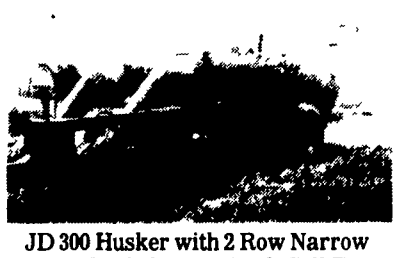
NI 702 Gas Power Unit
NI 717 Combine
NI 7135 Flex Grain Head
NI 744N Corn Head
$11,500.00



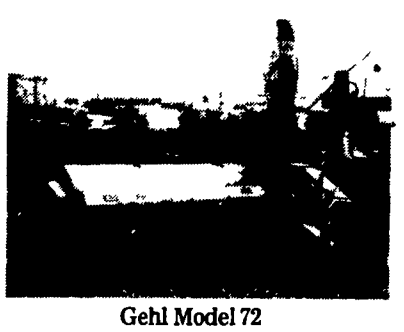
IH 504 Gas 45 H.P.
Engine Recently Overhauled
$4,250.00



Hesston Stakhand 10 Hay Stacker
$3,450.00
Great for Corn Fodder



JD 300 Husker with 2 Row Narrow Corn Head, Just Arrived, Call For Price, Waiver of Finance Available Until Sept. 1, 1986



Gehl Model 72
Flail Chopper, 6 Ft.
$1,500.00

HARVESTERS & ATTACHMENTS

NH 880R2 Corn Head $1200 00
NH 880 Harvester $3450 00
NH 717R2 Corn Head $650 00
NH 707 3 pt Harvester $2050 00
NH 717R2 Corn Head $750 00
NH 822 Corn Head $2200 00
NH 880N3 Corn Head $1250 00
NH 707 3 pt Harvester $1500 00
NH 890 Harvester $4500 00
NH 880 R2 Corn Head $1200 00
JD 3800 w/2R Wide Corn Head
IH 892 Harvester w/New Knives $7000 00
IH 890 Harvester $4000 00
IH 890 N3 Corn Head $3500 00
Gar Corn Chute and Auger for NH 770 Harvester $600 00
IH S717 Harvester $1800 00
IH 822 Corn Head 2 Row $1000 00
IH 770 Harvester with 770 N2 Corn Head $3600 00
IH 770W Hay Pickup $1650 00
JD 38 Harvester w/2 Row Narrow Corn Head $3650 00

WAGONS & RUNNING GEAR

JD 1075 10 Ton $2000 00
IH 1002 Automatic PTO Bale Wagon $1650 00
NI 206 Forage Box w/NI 633 Running Gear $1100 00

MOWERS & MOWER CONDITIONERS

IH 225 Self Propelled Windrower Conditioner $3200 00
NH 495 Mower Conditioner 12 Ft $5000 00
NH 1469 Self Propelled 9 Ft Ford Gas $6500 00
NH 1469 Self Propelled 9 Ft Wisconsin Gas $6250 00
NH 463 Disk Mower 7 10½ Cut $3995 00
NH 495 Haybine 12 Ft $4200 00
Gehl 880 9 Ft Mower Conditioner $1950 00
JD 1209 Mower Conditioner 9 Ft Late Model w/Non Clog Guards $3600 00
NH 474 Haybine 7 Ft Used 1 Season $6100 00
Mott Flail Mower $1350 00
NH 489 Haybine 9 Ft $5500 00
JD 1380 Pivot Tongue Windrower Conditioner $4500
NH 479 Haybine 9 Ft Reconditioned $2950
Hesston Model 1014 Hydro Swing Windrower Conditioner $3900 00
Owatonna Model 235 12 Ft Swing Tongue Windrower Conditioner $3500 00

GRINDER MIXERS

NH 358 125 Bu Hydraulic Scales $9800 00

TRACTORS

JD 4230 100 HP w/Sound Gard Body
JD 2350 55 HP 1 Year Old
JD 3140 (Same as 2940) 80 HP w/Sound Gard Body 1674 Hours $15000 00
JD 400 Industrial Tractor Loader $8500 00
MF 255 Tractor w/Cab 50 HP Low Hours $8900 00
JD 1640 Diesel w/Cab 55 HP Same as JD 2350 $9500 00
JD 4240 Tractor 110 HP Quad Range $18900 00
IH 1086 Tractor 130 HP Excellent 1450 Hours Price Reduced $16,900 00
JD 1520 Gas 45 H P $5500 00
White 2 50 Diesel 47 H P $4500 00
Farmall H Tractor $1250 00

SPREADERS

NH 679 287 Bushel Tandem $3650 00
NH 513 177 Bushel $2100 00
Herd 750 Spin Spreader $400 00
Stoltzfus Lime Spreader $3450 00
NH 513 177 Bushel $1850 00
NH 519 217 Bushel 4 years old $2500 00
NI 214 Spreader $1850 00

FORAGE BLOWERS

NH 25 Blower Like New $2200 00

PLANTERS & DRILLS

IH 510 Grain Drill $1450 00
IH 400 Corn Planter 6 RN $2850 00
Cole Dron Mounted Planter $1500 00
JD 246 Corn Planter $325 00
IH 400 Air Planter 6 Row $1800 00
IH 400 Air Planter 6 Row $1850 00
JD 7000 4 Row Conservation with Liquid Fertilizer Attachment $7500 00

BLADES & LOADERS

Front Blade for 8N Ford $525 00
JD 65 Blade $650 00
Leon 10 Ft Dozer Blade w/Mountings for IH 1086 $2200 00
Dunham Loader $1600 00
NI Loader fits 4 Cylinder John Deere Utility Tractor $1250 00

TILLAGE

Pittsburg 2 Bottom Trip 16 Plow $595 00
IH 12 Ft Field Cultivator Pull Type $1550 00
Brillion 8 Ft Sprocket Packer Demo $1150 00
JD 1250 3 Bottom Plow $1950 00
Oliver 3 Bottom Trip Plow $695 00
JD 210 Disk 12 10 36 Blades w/Cushion Att $3500 00
JD 210 Disk 12 10 36 Blades $3400 00
JD F125 Plow 5 Bottom trip Plow $550 00
JD 50 Box Scraper $450 00
Lely Roterra 15 Ft Field Finishing Tool $1000 00

BALERS

NH 273 Engine Baler $3850 00
NH 275 Engine Baler $3400 00
NH 273 PTO Baler $3250 00
NH 269 Baler w/53A Thrower $3200 00
NH 282 Baler w/62 Bale Thrower $3650 00
NH 310 Engine Baler $3450 00
MF 124 Baler w/Thrower $4750 00
NH 272 Engine Baler $2500 00
JD 346 Baler w/30 Ejector $5500 00

RAKES & TEDDERS

NH 256 8½ Ft with Dolly Wheel Used 1 Year $1800 00
Kuhn GRS24 Combination Rake Tedder $1650 00
NH 56 Rake Rubber Teeth $1200 00

SKID STEER LOADERS

NH L-775 50 HP Diesel $14900 00
Owatonna Mustang 1700 Diesel w/Bucket and Manure Fork $4750 00
Mustang 1700 Diesel w/Manure Fork and Bucket $4750 00
New Holland L 775 Deutz Diesel 50 H P $10500 00

COMBINES & ATTACHMENTS

NH 960 13 Ft Flex Grain Head $2850 00
NH 962 N6 6 Row Narrow Corn Head $7500 00
NH 962 N4 4 Row Narrow Corn Head $4600 00

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Since 1890
110 Railroad Ave New Holland PA 17557

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OPEN THURS & FRI UNTIL 9 P M

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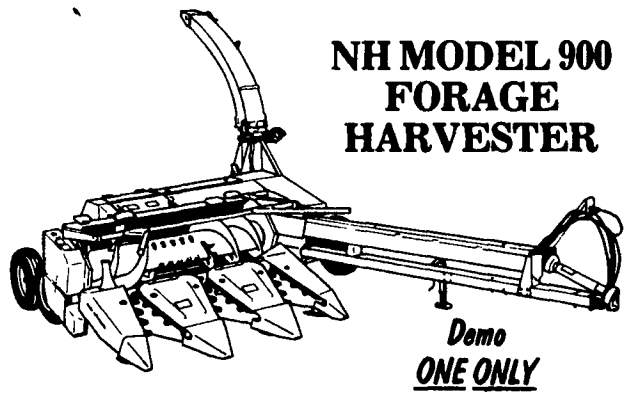
NH MODEL 900 FORAGE HARVESTER



Demo
ONE ONLY

w/Metalert II, 12 Knives, Elec. Controls, Two Speed Blower, 1000 RPM, 919 A3 Auger Base, 919 N3 3 Row Narrow Cornhead & Many Other Options.

One Only At $21,775
* **WINTER BUYERS DIVIDEND** ..... - 600
* **DEC. CASH DIVIDEND** ..... - 1,100
$20,075

* In Lieu Of Dividends, 0% Interest Financing For 24 Months Or Waiver Of Finance Until Sept. 1, 1986

NH MODEL 791 MANURE SPREADER

360 Bushel w/Hydraulic Endgate & Splash Guard

$7,650
* **DEC. CASH DIVIDEND** ..... - 400
$7,250

* In Lieu of Cash Dividend, 0% A.P.R. Financing For 24 Months

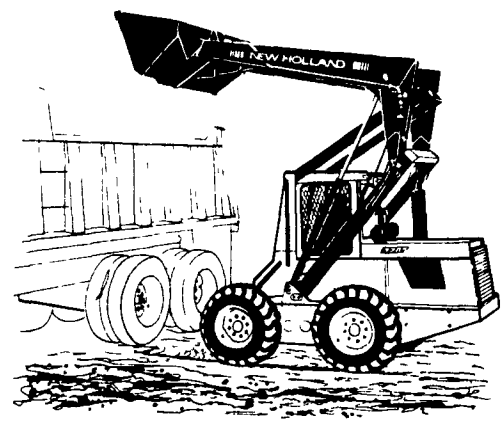
SUPER DEALS ON GRINDER MIXERS

BUY A NEW GRINDER MIXER FROM US NOW AND GET AN ELECTRONIC SCALE ATTACHMENT
Retail Value $2,240
For $1,095 Installed

Limited Stock Available For This Program
ALSO
Take Advantage Of Either:
1) Low Interest Financing OR
2) November, December Cash Dividends

MODELS
353-355 ..... $325
358-359 ..... $600

NH MODEL L-785



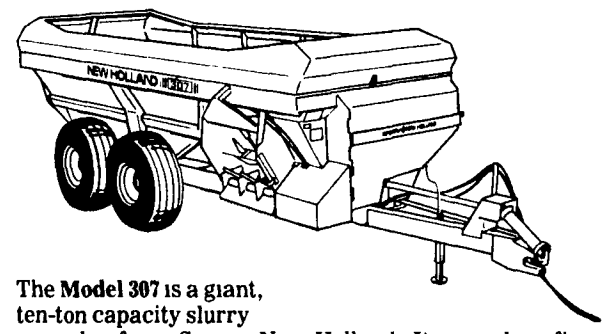
57 HP Perkins Diesel w/76" Bucket

DEMO, Rental, One Only

$16,900
* **DEC. CASH DIVIDEND** ..... - 1,100
$15,800

* In Lieu of Cash Dividend, Low A.P.R. Financing Rates- Call For Details

SPREADS 10 TONS PER LOAD!

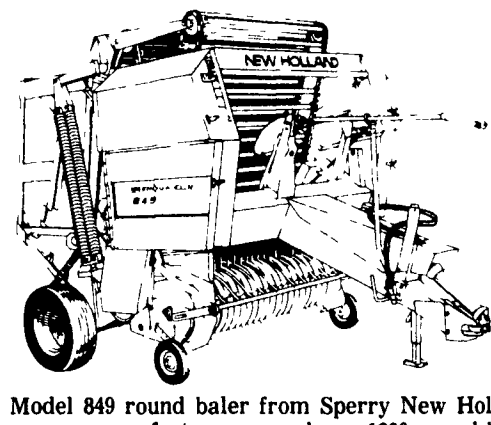


The **Model 307** is a giant, ten-ton capacity slurry spreader from Sperry New Holland. It spreads a fine top dressing of manure - fast! You get an aggressive spring-loaded auger to move material to the front right side for easy, consistent spreading. The auger floats over rocks and foreign matter, reducing the chance of damage.

NH MODEL 307 SLURRY SPREADER
2275 Gal., 1000 RPM w/15.00x22.5 Tires
SALE PRICE $11,450
* **DEC. CASH DISCOUNT** ..... - 500
$10,980

* In Lieu Of Cash Discount, Waiver Of Finance Until April 1, 1986

NH MODEL 849 ROUND BALER



The Model 849 round baler from Sperry New Holland gives you a sure, fast core in a dense 1200-pound bale And, the "849" offers a host of automated features to make your baling easier. Come see what the Model 849 can do for your round baling operation.

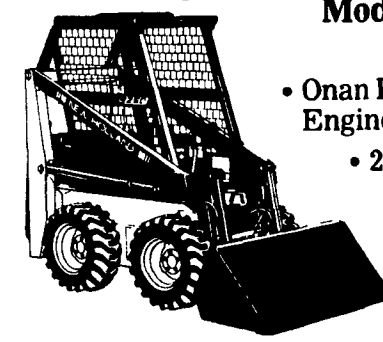
In Stock:
MODEL 849 AUTO-WRAP ROUND BALER
(Loaded)

SALE PRICE $12,100
* **WINTER BUYERS DIVIDEND** ..... - 600
* **DEC. CASH DIVIDEND** ..... - 550
$10,950

* In Lieu of Dividends, 0% Interest Financing For 24 Months Or Waiver Of Finance Until Sept. 1, 1986

PRICED TO SELL!

Do Big Jobs In Tight Places
Model L-250



With
- Onan B43G 18 H.P. Gas Engine
- 23x8.50 12 Tires
- 47 in Utility Bucket

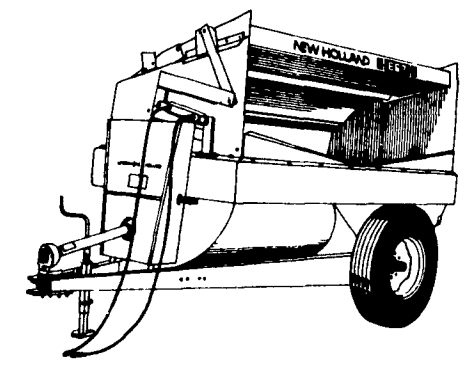
One Only

SALE PRICE $7,585
* **DEC. CASH DIVIDEND** ..... - 350
$7,235

* In Lieu of Cash Dividend, 0% Interest Financing For 24 Months.

NH MODEL 667 FLAIL TANK SPREADER

847 Gal., 194 Cu. Ft.

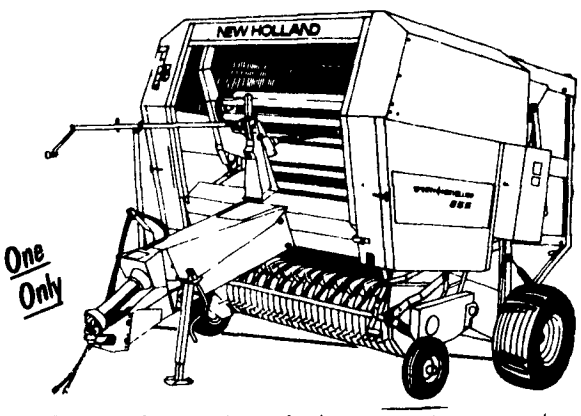


With:
- R.H. Discharge
- Standard Front & Rear Fold-Down Panels
- Splash Shields

List Price $7,025
SALE PRICE $5,950
DEC. CASH DIVIDEND ... - 250
$5,700

NH MODEL 855 ROUND BALER

Auto. Wrap, 540 RPM, Loaded



One Only

For acre after acre, hour after hour capacity in a round baler, nothing comes close to the 855" from the round baler leader Sperry New Holland It's loaded with capacity features like Super-Sweep pickup, a roll floor design and steel apron chains that turn out solid, well shaped bales weighing up to 1700 pounds And, there's a host of optional features to make your baling job easier than ever! Ask for a demonstration We'll show you how to get good bale shape and capacity, too!

SALE PRICE $12,750
* **WINTER BUYERS DIVIDEND** ..... - 600
* **DEC. CASH DIVIDEND** ..... - 550
$11,600

* In Lieu Of Dividends, 0% Interest Financing For 24 Months Or Waiver Of Finance Until Sept. 1, 1986

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PRICE

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Measure its efficiency at the fuel pump, on your wristwatch or in your crop cost ledger

The 466-CID turbo-charged John Deere diesel is designed to provide excellent fuel efficiency. Caster/Action™ mechanical front-wheel drive saves you time and fuel by increasing traction.

JD 4050 TRACTOR, 100 H.P.

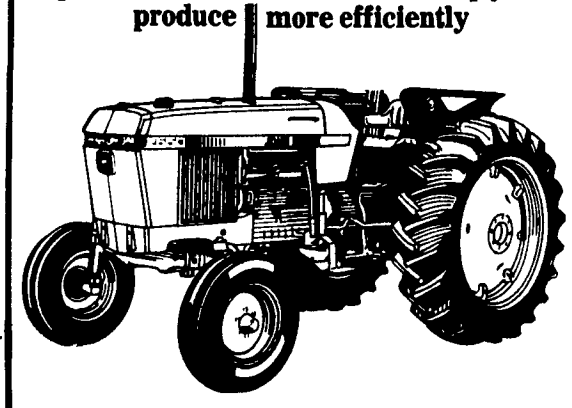
Mechanical Front Wheel Drive w/Sound Guard Body, Quad-Range Transmission, Dual Remote Outlets & Many Extras.
Note: No Duals

Buy This Tractor On Special John Deere Lease-Purchase Program

Tractor List Price $53,900

- **Monthly Lease-Purchase Payment (No Trade-In) $632.34**
- **Monthly Lease-Purchase Payment (w/$8,000 Trade-In) $467.77**

Get productive horsepower, features and options in John Deere's 2550 to help you produce more efficiently



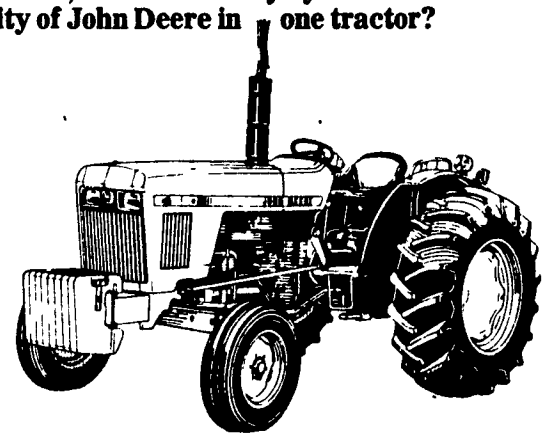
High-torque-reserve horsepower is just the start of more efficiency in the 65-PTO-hp 2550. A long list of standard features make the 2550 a real Efficiency Expert.

JD 2550 TRACTOR, 65 H.P.

w/TSS Hi-Lo Transmission, 540 & 1000 RPM PTO, Single Remote, Big Pump Row Crop Finders, 16.9x28 Rear Tires.

SALE PRICE $17,700
DEC. CASH DISCOUNT ..... -550
$17,150

Why settle for less when you can have the power you need, the efficiency you want and the quality of John Deere in one tractor?

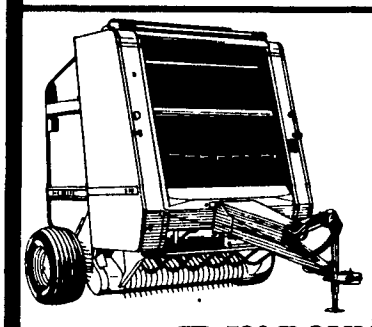


Whether it's the 40-hp 1250, the 50-hp 1450 or the 60-hp 1650, you'll find they all offer the unbeatable combination of gutsy pulling power and excellent fuel efficiency.

JD 1650 TRACTOR, 60 H.P.

w/Ind. 540 PTO, Power Steering, Dual Remotes, 16.9x30 Rear Tires

SALE PRICE $14,975
DEC. CASH DISCOUNT ..... -450
$14,525



John Deere round balers are an automatic one-man haying system

John Deere 430 and 530 Round Balers make it easy to be an expert operator, even for those who have no experience And the innovative automatic design is the reason why
The exclusive Bale-Trak' monitor provides electronic guidance to help you make perfectly shaped bales, one after another Simply steer left or right to keep two arrows lined up No more guesswork

JD 530 ROUND BALER

w/31x13.50 Tires, Bale Coulter & P/U Gauge Wheel

Sale Price $13,800
* DEC. CASH DISCOUNT ..... -400
$13,400

* In lieu of the Nov. Cash Discount, Waiver of Finance till Sept. 1, 1986

Brawny strength at a mild-mannered price

The 1000 Integral Plow has so many incredible features we call it a Superplow
It gives you a strong single-beam design, time-saving safety-trip standards, and an adjustable width of cut
Choose 12-, 14- or 16-inch cut, simply by moving a shim on each of the standards

JD 1000 INTEGRAL PLOW

3 Bottom, Safety Trip Standards w/Steel Trashboards.

SALE PRICE... $2,375
Plus Waiver of Finance till March 1, 1986

SPRING-RESET INTEGRAL

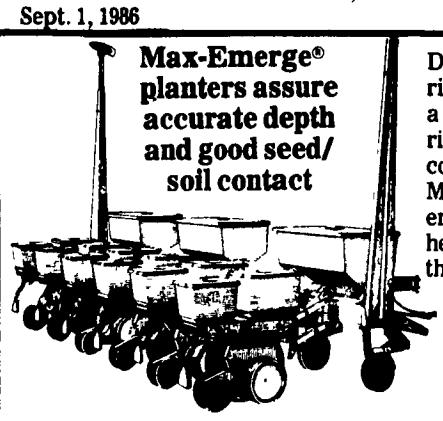
You'll find deluxe "semi-integral" features on this integral plow

Here's the integral plow that's right for your rocky fields The 1600 Superplow in 3-, 4-, or 5-bottom sizes

JD 1600 SPRING-RESET PLOW

3 Bottom, 16" Cushion Coulters, Steel Trashboards.

SALE PRICE... $3,990
Plus Waiver of Finance till March 1, 1986



Max-Emerge® planters assure accurate depth and good seed/soil contact

Do a lot of things right and you'll get a good stand at the right population in corn and bean crops. Max-Emerge planters are designed to help you do a lot of things right.

John Deere 7000 Planter, 6 Row Narrow, with:

- Monitor • Markers
- Dry Fertilizer Attachment w/Disk Openers
- Insecticide Attachment
- Unit Mounted No-Till Coulters
- Electronic Acre Meter

$10,750

Plus Waiver of Finance until April 1, 1986

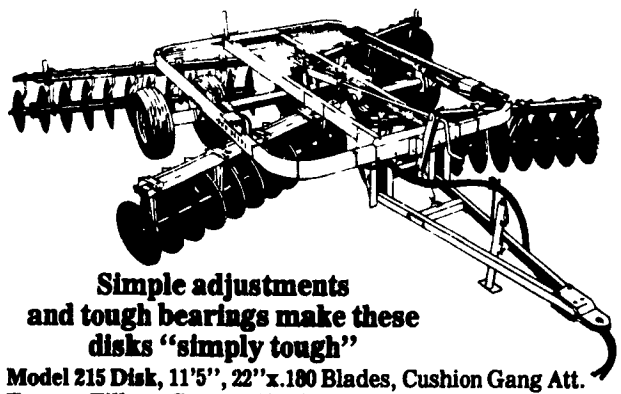
ANNOUNCING

EXTENDED WAIVER OF FINANCE UNTIL NOVEMBER 1, 1986 Or Longer On A Limited Number Of In-Stock Disk Harrows
(Disks listed below without ★ have waiver only until March 1, 1986

Exclusive DuraCushion™ disk improves disking results in rocks

Special coil-spring standards act like heavy shock absorbers. Individual gang sections flex over rocks.

- ★ **Model 215 Dura Cushion Disk, 11'5", w/Furrow Fillers, Covers 12'10" Overall $6,375**
  Until Expiration Of Sales Program
- ★ **Model 215 Dura Cushion Disk, 12'10" w/Furrow Fillers, Covers 14'4" Overall $6,775**
  Until Expiration Of Sales Program



Simple adjustments and tough bearings make these disks "simply tough"

- ★ **Model 215 Disk, 11'5", 22"x.180 Blades, Cushion Gang Att. Furrow Fillers, Covers 12'10" Overall $5,975**
  Until Expiration Of Sales Program
- **Model 115 Disk, 11'5" w/9' Blade Spacing, 22"x.180 Blades, Furrow Fillers, Cushion Gang, Covers 12'10" Overall $5,450**
  Until Expiration Of Sales Program
- **Model 115 Disk 10'0" w/9' Blade Spacing, 20"x.180 Blades, Furrow Fillers, Covers 11'5" Overall $3,725**
  Until Expiration Of Sales Program

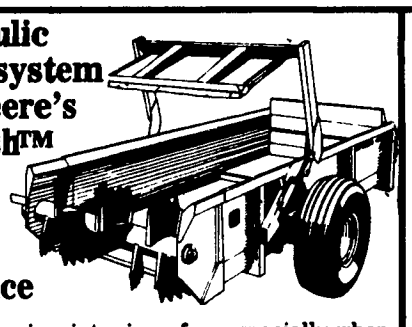
John Deere 780 Hydra-Push™ Spreader holds 370 bushels. Unloads with amazing speed.

The 780 brings 60 percent more capacity to our Hydra-Push spreader line. These are the spreaders with the unique hydraulic unloading system. A moving panel and floor hydraulically move manure to the beaters.

Model 780 Hydra-Push Spreader
370 Bu. Capacity with 540 RPM PTO, Hydraulic Endgate, 10.00x20 Used Truck Tires, Front Splash Guard

Sale Price $9,550.00
Dec. Cash In Lieu Of Waiver ..... -300.00
$9,250.00

The hydraulic unloading system on John Deere's Hydra-Push™ spreader cuts spreader maintenance



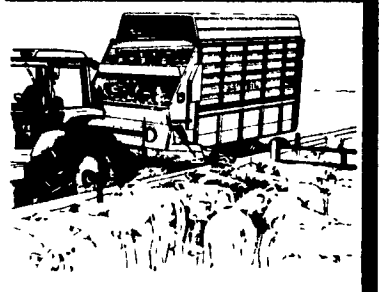
Spreading manure in winter is no fun, especially when the conveyor chain and spreader sides need meticulous cleaning. John Deere's Hydra-Push spreaders eliminate most winter cleanup by using a unique hydraulic unloading system.

Model 450 Hydra-Push Spreader
225 Bushel Capacity w/540 R.P.M. PTO, Hydraulic Endgate, 10:00x20 Used Truck Tires, Front Splash Guard

Sale Price $6,675.00
December Cash In Lieu Of Waiver ..... -175.00
$6,500.00

Double duty

John Deere's forage wagon doubles as a feeder wagon



Get double-duty use out of a 714A or 716A Forage Wagon. Carry silage to livestock as well as from the field.

See the 593-cubic-foot 714A and the 677-cubic-foot 716A today.

JD 716A FORAGE WAGON

16' Box, 677 Cu. Ft., High Sides w/3rd Beater, No Roof Included

Sale Price $6,650
* NOV. CASH DISCOUNT ..... -300
$6,350

* Waiver of Finance till Sept. 1, 1986 in lieu of Nov. Cash Discount
NOTE: Add $425 for Wagon Roof.
Running Gear available at extra cost.

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900 ft. 4" pipe, 2300 ft. 3" pipe, T's, 90's risers, 165 rain bird heads, many extras, Gorman Rupp PTO 6x6 pump.

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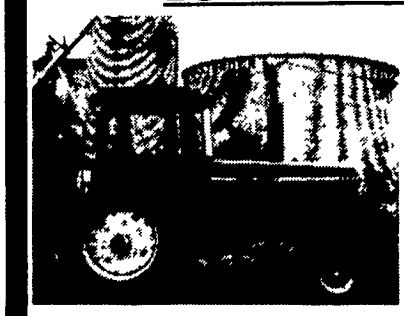
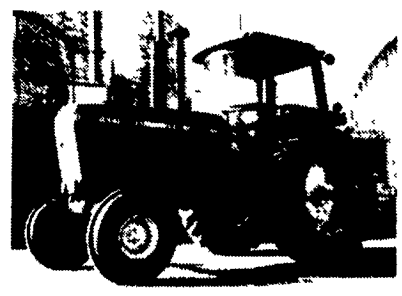
Tractors: Int. 1066 w/cab, 966 w/cab, 806, 766, 560, 460 w/loader, 460, 460 w/234 picker, 450, Super MTA w/NI picker and sheller, M, H, C w/loader, JD 4020, 4010, 3010, 2010 w/loader, (2) 730 diesels, 730 gas, JD dozers, MC w/blade, 40 w/blade and wench, 420 w/loader; new 16', 2 axle Lo Boy trailers; and other types of farm equipment. Also 1980 Mercury Zephyr; '79 Jeep Wagoneer; '83 Chevy pickup; '75 Ford Granada; '82 VW Rabbit diesel; '76 Ford Granada.

Call Gary Leader
814-652-2809

LORLIN TRACTOR SALES



JD 4430
Cab, QR, dual hyd. $8,000 spent on new motor, clean.
$12,500



JD 4440
Cab, powershift, wts., new rubber, hydro seat, sharp
$18,500

OTHER TRACTORS

JD 2030 Diesel Independent PTO	$5,900
JD 4320 WFE Mechanic Special	$5,500
JD 2510 Diesel WFE, Nice	$4,500
JD 4000 Side Console, Dual Hyd	$7,500
JD 4430 Powershift, Dual Hyd	$9,500
IH 806 Diesel WFE, Solid	$3,900

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Can Finance — No Sunday Calls

USED EQUIPMENT

TRACTORS

*4066 IH 1066
5927 IH 966
5926 IH 1256
*5835 IH 986
*5739 IH 1066
*5731 IH 656
5793 Deutz DX 160
3335 JD 8630
*5784 JD 4630 w/Cab, Duals
5700 NH 778 Skid Steer Loader
3487 Steiger ST210

MISC. EQUIPMENT

4031 NI 212 Manure Spreader
3861 IH 1250 Grinder Mixer
*3773 JD 201 Trailer 32'
5484 IH 2001 Loader
5487 NH 280 Baler
3561 NH 495 Haybine
3111 Agrotec 400 Gal. 30' Sprayer
3818 NH519 Manure Spreader
3837 NI 245 Manure Spreader
3900 John Blue 1000 Gal. Sprayer

COMBINES

*4074 MF 750
*4075 IH 1460
*4058 AC N6
*3866 NH 1400
*3057 JD 7700 w/Chopper
*3058 JD 7700 w/Chopper
*5447 IH 1480
*3784 IH 1440
*3775 IH 1460
*3882 IH 915
*3983 IH 915

TILLAGE

6103 Sunflower HB Chisel Plow 27'
5277 IH 55 Chisel Plow
*3840 IH 560 Plow
*3841 IH 540 Plow
5868 IH 370 Disc 12'
3799 IH 470 Disk 14'
3805 Brillion 21' Crowfoot Packer
5615 Brillion SC-01 Filed Cultivator, 20'
3607 Brillion 32'8" Crawfoot Packer
3661 Brillion Field Cultivator, 29 shanks
5054 Krause 2143 Disc 42'
5457 Krause 2413 Disc 23'
5578 Krause 3 Bar Harrow
5561 JD 210 Disc 13'
3453 JD 5 Bot. Plow
5419 JD 22 Shank Chisel Plow
6247 J.D. 310 Disk
5121 Dunham Lehr 29' Crowfoot Packer
5534 Glencoe Soil Finisher, 20'
3301 Wilrich Field Cultivator, 37'

MOWERS

5577 Rhino 20' Flex Wing Mower
5702 NH 462 Disc Mower

PLANTING EQUIPMENT

3285 Tye No-Till Drill, 20'
5713 IH 510 Drill
2763 IH 620 Tandem Full Press Drill
5786 IH 510 Drill
5765 JD 246B Drill

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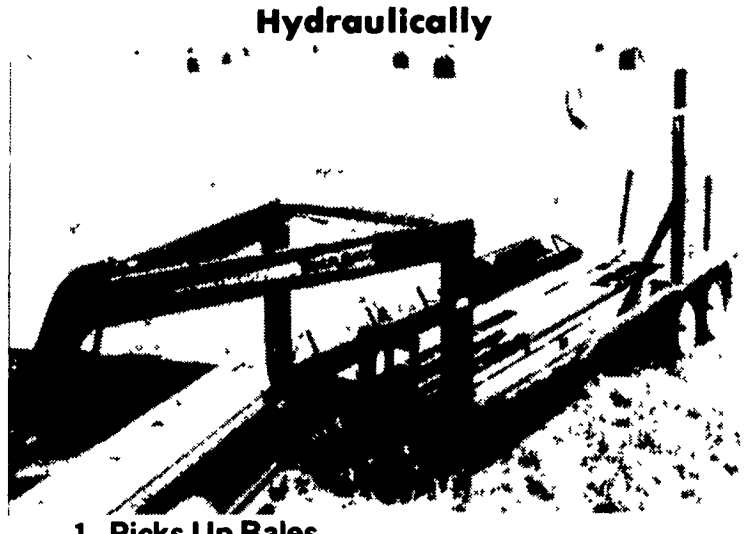
Fifth Wheel Trailer Does It All Hydraulically



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JD 4440, fact. cab & air, SOLD radials, very nice
JD 4430, fact. cab & air, quad range, very nice
JD 4430, powershift, fact. cab & air, very nice
JD 4430, no cab, syncro range, clean tractor
JD 4230 w/fact. cab & air, quad range
JD 4020 Diesel, dual hyd, WF, side console w/year round cab
81 model JD 2640, late style w/cab w/reverser
JD 2940, 1980 model, fully equipped very nice
JD 2640 w/Hi-Lo, dual hyd. with JD 146 loader
JD 3020, Dsl side console, WF, nice
JD 3020 D, PS, WF, dual hyd, recent engine overhaul
1981 IH 1086, fact cab & air w/western interior equipped w/all the late features
IH 1086, fact. cab & air, red cloth seat tractor
IH 1086, fact cab & air, radial tires
IH 1466 Fact cab, dual PTO & hyd
IH 1466 Fender Tractor
IH 1066 Year round cab, 20" rubber, 1 owner
IH 966, '76 model, black stripe w/fact cab & air, real nice
IH 966 3 pt WF
IH 966 fender SOLD, 3 pt WFE
IH 1456 w/cab
IH 1456 fender tractor
IH 1256 w/complete engine overhaul
IH 1206 w/new T A & cab
IH 1206 No TA, 3100 orig. hrs Adjustable WF 3 pt dual hyd
IH 826, WF, 3pt, 38" rubber, turbo
IH 806 Dsl cab & air, 18 4x38 radials w/56 Series shift, very nice
IH 856 Dsl tractor w/turbo, 3 pt WFE 38" rubber
IH 856 Dsl WF, fast hitch new TA
IH 766 Dsl WF, 3 pt
IH 686 Diesel, very nice fully equipped w/new cab
IH 666 Dsl Hydro w/cab & air, one owner
IH 784 Diesel, row crop, dual PTO, 38" rubber, low hours
IH 684 Dsl 1981 model, like new
IH 706 Diesel, clean tractor
IH 656 Diesel, fast hitch WF, dual hyd
Farmall 560 Dsl w/fast hitch, nice
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HARVESTING EQUIPMENT

K Gleaner w/10' Floating cutter bar. Local 1-owner
(2) NI 705 GMC V6 diesel cab, variable speed
NI 701 Inline 6 cyl., gas, variable speed, cab
2 NI 717 Combines 80 models, elect auger control, spreaders or choppers
NI 713 Grain Head
(2) NI 737 Huskers
NI 727 Husker very good condition
NI 741 Quicktach Throat
NI 740 QuickTach Throat
NI 738 4RN corn head w/stripper bars
NI 731 4R wide corn head w/stripper bar
NI 768 3R WN Chopperhead
NI 725 3RN corn head w/stripper bars
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NI 702 D
NI 727 Husking bed
IH 706 Gas Tractor

IMPLEMENTS

Taylorway 10 tooth chisel plow 3 pt mounted
Athens 10 tooth chisel plow 3 pt mounted
IH 55 pull type chisel
JD 10' & 14' Disc's
IH 5x16 Plow
NH 790 Manure spreader w/hyd endgate

MISCELLANEOUS

Dual wheels - 34's and 38's
Year round Cabs to fit IH 544 to 686, like new
3 Cabs to fit 06 series thru 66 series IH tractors
Year round cab for 3010 to 4020
Tractor Weights JD & IH

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NI 702 D	10 & 20 Series
NI 727 Husking bed	tractors
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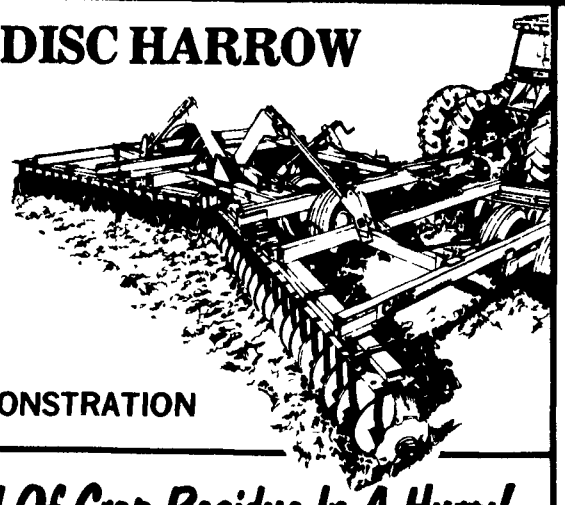

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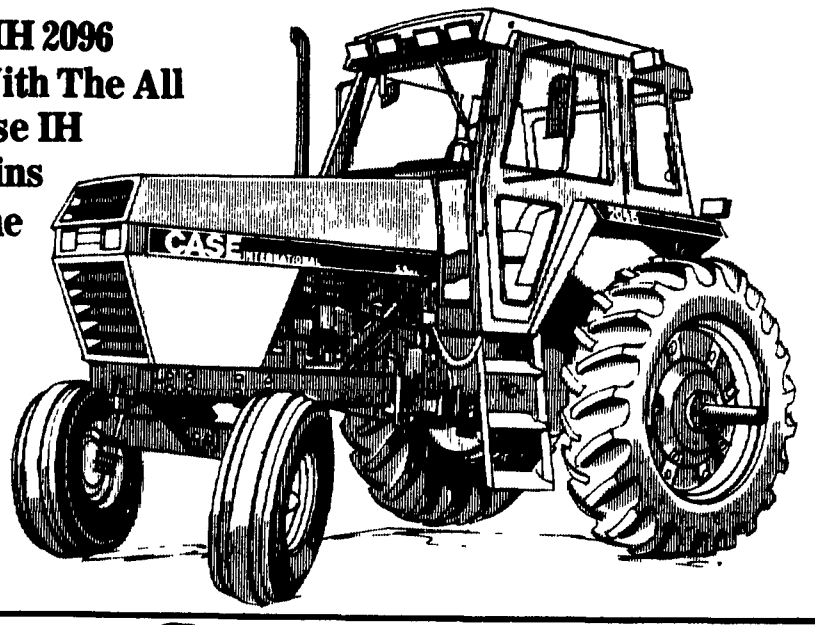
CASE IH 2096 Tractor With The All New Case IH Cummins Engine

115 H.P.



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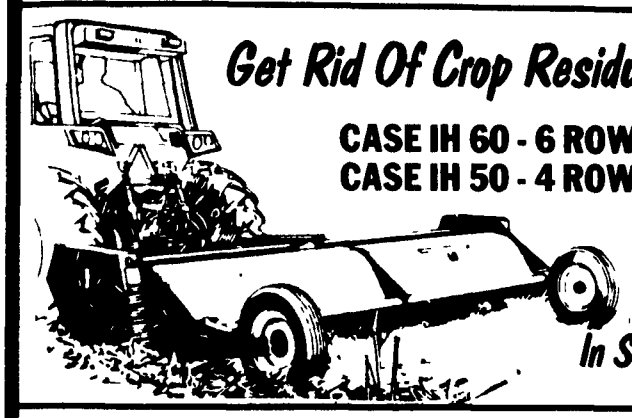

Get Rid Of Crop Residue In A Hurry!

CASE IH 60 - 6 ROW SHREDDER
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w/4 Wheels & Shear Angle For Finer Shredding

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- Farmall 460
- IH 350 Fast Hitch
- IH Farmall Cub w/Mower
- IH 2444 w/Loader
- Ford 30 w/Mower

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- IH 400 Planter w/Liquid Fertilizer 4 Row
- IH 400 Planter, 6 Row, w/Dry Fert
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- NH 512 Single Beater
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- NH 790 Spreader w/Hyd Gate
- NH Model 371 Tandem Axle Spreader
- IH 540 w/Pan Like New

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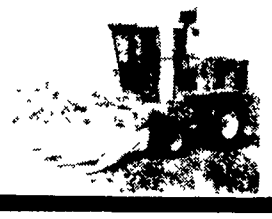
Cat. Diesel w/Cab, 3 Row Head & Hay Pickup Head, Good Cond.



TILLAGE
- Oliver 4 Row Cultivator
- IH Model 450 Plow
- 7 Tooth Glencoe Soil Saver

HAY & FORAGE
- NH 275 Baler w/Thrower
- IH #40 Shredder, 4 Row
- NH 2 Row Snapper 30" Rows
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- IH 56 Blower
- IH 555 Forage Harvester w/Cornhead & Pickup Attachment
- NH 269 Baler
- NH 320 Baler w/Thrower (Ex Cond.)
- NH 489 Haybine
- NH 852 Round Baler Auto Tie, Excellent
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- NH 273 Baler w/Thrower
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- NH 85 Big Round Bale Automatic Wagon
- (2) #8 Forage Box Wagons
- JD 60 Blower
- NH 238 Tandem Axle Wagons
- AC Forage Box

TOP OF THE LINE USED EQUIPMENT
- Walsh 300 Gal. Trailer Sprayer w/Boom (Used 1 Time) ONLY $1,350
- 7 Tooth Glencoe Soil Saver, Ex.
- Brady 12 Ft. Field Cultivator

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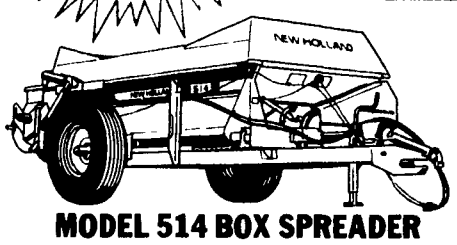
On Hay and Forage Equipment, Spreaders And Grinder Mixers



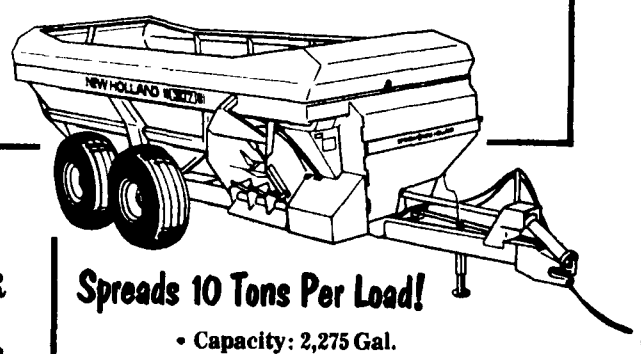
MODEL 514 BOX SPREADER
177 Bu., T-Bar Chain w/ Slurry Sides

MODEL 791 SPREADER
360 Bu., Extra Heavy Pintel Chain

STRONG-BOXES
FROM THE SPREADER LEADERS

A Model To Fit Any Size Farm Operation

SPREAD SLURRY MANURE QUICKLY & EVENLY
NH MODEL 307 SLURRY SPREADER



Spreads 10 Tons Per Load!
- Capacity: 2,275 Gal.
- Tandem Axle w/Flotation Tires

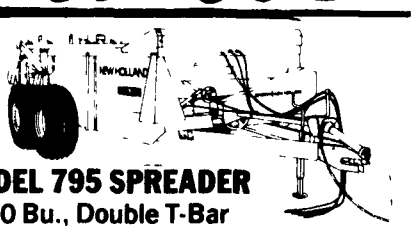
0% Financing On 24 Months

In Stock And Ready For Demonstration

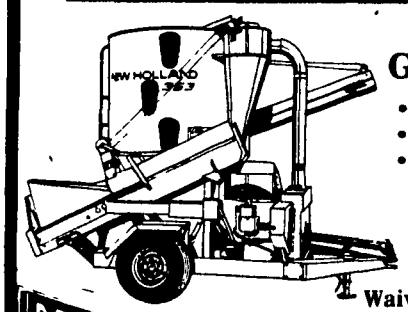
NH MODEL 680 *Box Spreader*

FREE FREE

"A FREE SPREE"
Receive FREE Slurry Sides & Hyd. Endgate or FREE Upper Beater & Hyd Endgate w/Purchase. Value $1,335



MODEL 795 SPREADER
410 Bu., Double T-Bar Chain



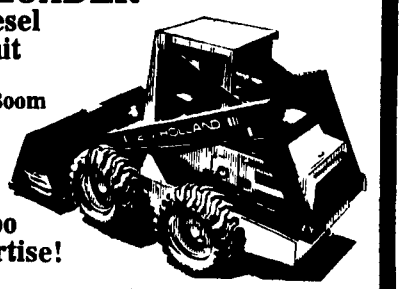
NH MODEL 353 GRINDER MIXER
- 16" Hammermill
- 80 Bu. Tank
- 1 Screen Heavy Duty PTO

One Only

ALL THIS FOR ONLY $5,975

Waiver of Finance Till Sept. 1, 1986

NH L555 LOADER
42 H.P. Diesel Demo Unit
- Extra Reach Boom
- More Stability
- Less Spillback



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0% FINANCING FOR 24 MONTHS
- Waiver of Finance On All New Hay & Forage Equipment Till July 1 or Sept. 1, 1986
Spreaders & Grinder Mixers Till Sept. 1, 1986

OR • Big Cash Rebates
OR • 0 % Financing - 12 Mos. • 8.9% Financing - 36 Mos.
• 7.9% Financing - 24 Mos. • 10.9% Financing - 48 Mos.

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* 1 Bottom Plows
* 2 Bottom Plows
* Discs - 4' - 8'
* Blades 5'-8'
* Box Blades 4'-8'
* Stone Rakes 6'-8'
* Post Hole Diggers 9" & 12"
* 1 Row Cultivators
* Dirt Scoops
* Boom Poles
* Rear Carriers
* Wood Saws
* Fertilizer Spreaders
* Concrete Mixers
* Field Cultivators
* Potato Plows
* Hay Rakes
* Hay Teddars
* Rotary Mowers 4'-6'
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* Power Winch
* 8 Ton Wagon Gears

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TW5 105 PT HP
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3910 42 PTO HP
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1210 16 gross HP

Farmhand Hawk Bilt 217 Manure Spreader

Ford 240 Transport Disc 10'3" Cut

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Myers Forage Boxes

300 & 500 Gal. Century Spreaders Available For Immediate Delivery

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710 Combine For NI Uni System

Hawk Bilt Spreader 2155 Completely Rebuilt

Ford 5000 Light Use Good Condition

Ford 6700 Tractor Ex. Cond. Low Hours

TYE 80" No Till Drill Rental Available

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1 FARM EQUIPMENT

COMBINES W/GOOD SELECTION OF HEADS

J.D. 6620 S.H., 800 Hrs., Real Nice; 6620 S.H.; 900 Hrs., 1 Owner, Nice; 6600 L.L., 900 Hrs., 1 Owner - In Field Working; (75) 6600 D! Rotary Screen - Good; 6600 D. w/Grain, Good For $9,500; (77) 4400 D. C.A. - 890 Hrs., Real Nice; (69) 55 Sq. B. w/Cab, Corn Special; 55 Sq. B. w/Cab - Good; 8820 w/R.W.D. & 6620 Both With Fire Damage Cabs **(SOLD).**

IH (NEW) 1420 Axial Flow - Full Eq. w/820 Flex; (Used) 1460 Axial Flow - 900 Hrs., $34,800, Very Nice; (76) 915 Dsl., C.A. Turbo Hydro; (73) 915 D. C.A. Turbo Hydro w/4R C.H. $9,800; 715 Gas - Good; 205 w/Cab & 10' G.H.

M.F. (77) 760 V8 Hydro w/Mud Hog Rear W.D., fully eq., nice; (80) 750 Gray Cab, 760 Hours - Nice; 550, Low Hours - Nice; (75) 510 D. Hydro w/Cab; (69) 510 D. w/Cab; 300 D. C.A. - 640 Hours, Excellent; 300 Gas - $2,850; **N.H.** TR70 C.A. Hydro; Gleaner (76) FD. w/C.A.- Nice; #90 Pull Type.

(75) **White** 8600 D.C.A. Hydro w/15' Flex, $9,750; **N.I.** 702 & 705 Uni-Systems w/Full Eq.; **N.I.** 709 C.A. w/R.W.D. & 767 Super Chopper; 729 A Shellers, $1,200; NI 727 Husking Beds In Stock.

Combines Coming In: MF 850 Hydro, clean w/heads; '78 JD 6600 D. hydro. w/low hrs., extra nice 1974 JD 6600 D. Hydro, real nice; IH 1480 w/820 Flex & 6R C.H.; Gleaner F w/grain & like new 430 C.H.; Int. 203 w/grain & 227 C.H.

CORNHEADS: J.D. 843, 643, 444, 443, 343, 244, 243, (New) 443 - $9,300; 653 Row Crop; 313 (45), 334 (55), 205 (40) 234, 435; Late Model 643 & 443, like new; Late Model 444, 643-$5250 & up, 443-$4250 & up.

I.H. 883, 863, 844, 833, 744, 227.

A.C. GL 440, C440, A438, L438, M430, F430, F335, F330, K238.

M.F. 1163, 1143, 63, 44, 43, 24, 222, 422.

N.I. 738, 743, 730, 734, 725, 723, 762, 763; **White** 706N; **Ford** 4-30"; **Case** (404) 4-40".

GRAIN HEADS: J.D. 12'-15' Incl. 213 & 215 & (2) JD 216 Flex, like new.

I.H. (New) 820 - 15' Flex, (Used) 820-17.5' Flex, $4,300; 810-13' Thru 16.5' w/Reg. or Floating Bar; 710-13'.

M.F. 10'-16' Reg. or Floating Bar; **A.C.** E10', G15'.

N.I. 713 Flex Or Rigid, 711.

TRACTORS:

J.D. (New) 4450 C.A. P.S. w/FWD; new 4240 C.A.P.S.; (Used) 4640 C.A.P.S., Duals - 800 Hrs., Real Nice; 4640 C.A.Q.R. - Factory Duals; 4640 C.A.Q.R. - Snap On Duals; 4450 C.A.P.S. - 100 Hrs.; 4440 C.A.P.S. - Real Nice; 4440 C.A.Q.R.; 4240 C.A.P.S. - Nice; 4240 C.A.Q.R. 920 Hrs. - Excellent; 4240 Q.R. Fender; 2940 w/F.W.D. & 260 Loader, Low Hours; 2940 w/R.G.; 2840 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/Duals; 8430 4 W.D. C.A.Q.R., Fresh Motor - Real Nice; 6030 C.A. Duals - Nice; 6030 C.A., Nice; 4630 C.A.P.S. w/F.W.D., Real Nice; 4630 - 8 Spd., Nice; 4430 C.A.Q.R.; 4230 C.A.Q.R.; 4230 P.S. w/R.G.; 2630 w/Hi-Lo; 1530 w/Hi-Lo; 7520 4 W.D. C.A. - Duals; (70) 5020 - $6,500; (67) 5020 w/Duals - No 3 Pt. $4,850; 4620 w/Cab & New Tires; 4520 w/Cab & Fresh Motor; 4320 w/Cab - Good; (8) 4020's 1964-1972; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; (2) 4020 w/Cab; (2) 4020 w/158 Loader, 3020 D. S.C., W.F.E.; 2520 D.; 2020 D. w/Loader; 2020 Gas; 4010 D. - New Clutch, $5,450; 4010 D. $4,500; 4010 Gas; 730 D. P.S. w/3 Pt. - $3,450; 730 Gas w/3 Pt.; 630 Gas; 720 D. P.S. w/3 pt; 620 P.S.; 620 L.P., P.S.; 60; A, 3010 gas.

I.H. (New) 5088 Full EQ.; (New) 3688 Full EQ.; 5488 Full EQ., Radial Duals - Like New; 3588 2+2 Local - Full EQ. - 900 Hrs. - Like New; 1486 w/C.A., dual PTO, 3 outlets & dual wheels; 1586 C.A. Nice; 1586 w/R.G.; 886 w/Cab 18x38 Tires, 700 Hrs. Like New; 886 w/R.G.; 186 Hydro C.A. - Like New; Hydro 84, Hydro 70; 784 - 1,000 Hrs., Real Nice, $9,500; 684 w/Cab; 1568 C.A. - 1,000 Hrs., Real Nice; 1468 C.A. - Nice - $8,500; 1566 C.A. - Black Stripe; 1566 w/Cab; 1466 w/Cab; 1066 Hydro - Original; 966 Original; 766 Original; 666 D., Real Nice; 674 D. w/2250 L **(SOLD);** 574 D. w/Loader; 574 D. - New Tires; 574 D. - $3,950; 354 Gas Utility; 1256 w/Cab, Nice; 756 D. W.F.E. & F.H.; 756 G Hi-Clear; 656 D. Hydro w/2000 L; 656 Gas - W.F.E. - Original; 656 Gas & Diesel; 656 D. Hi-Clear; 826 D. Hydro; 1206, Nice; 806 D; 706 w/German Diesel - Very Good. 706 D. - W.F.E. - 3 pt. - $5,000; 706 W.F.E. - 3 pt. Gas; 706 Gas T/A, W.F.E.; F.H.; 606 Gas w/3000L; 606 Gas w/L. - $4,250; 560 D. w/F.H.; 460 w/Loader - Needs Trans. Work; 450 w/P.S. & F.H.; 230 w/F.H.; Super M, M w/W.F.E.; M & H, nice; Super C. W.F.E. - F.H.; C w/Cult.

A.C. (New) 8050 C.A.P.S. - Radial Tires, List 56, Cost 44, Our Price $32,850; (New) 6080; (New) 7010 w/20 Spd. - $18,750; (Used) 7045 C.A. - 20 Spd. - Real Nice; 7040 C.A.P.S., Like New; 7010 C.A.P.S. Full Wts., - Light Package - Like New; 6080 w/R.G. - Nice; 210 - New 20.8-38 Tires - Full Wts; 200 w/Cab - $7,850; 180 D. - W.F.E.; Good; D17 Series 4 - w/3 pt.; D15 W.F.E. - P.S. w/Hyd. Loader; D14 WF w/Hyd. Loader; WD - 45 w/A.C. Loader & P.S.

CASE (Used) 2590 C.A P.S. - 925 Hrs. - Like New; 1690 C.A.P.S. - 100 Hrs.; 1370 C.A.P.S. Factory Duals - Full Wts.; 380 D. w/R.G.; 1070 - P.S. $6,850; 1410 w/R.G.; 930 C.K. w/3 pt.

M.F. 2675 w/R.G. w/1,000 Hrs.; 184-4 w/F.W.D.; 1155 C.A.M.P. - $8,500; 1135 C.A.M.P.; 1135 w/R.G. & Duals; 1130, 1100, 175 D w/R.G.; 90 D.; 65 D.; T030, T030 w/Loader.

FORD 9600 w/Cab; 7600 w/Dual Power - Nice; 5000 D. - Real Nice; TW-20 w/220 Hrs. - Damaged. 901 w/WF; 8N

OLIVER 1855 w/20.8-38 Tires - Original Paint; 2050 - $7,850; 1950 T w/Cab - $5,975; 1650 D. W.F.E. w/o Shift - Original; 880 D. W.F.E. & 3 Pt.; 1800 Needs Motorwork.

WHITE (New) 2-65 w/F.W.D. & (New) 1730 Loader - List $29,000 Sale - $19,900; (2) 2-135 C.A.; 2-85 w/1840 Loader - Very Good.

MISC. AGRI-POWER - 9,000-115 HP - Made by Fiat - 80 Hrs. Like New; **DEUTZ** 9006; M.M. Vista G1000 w/Cab & M.M. Loader.

Tractors Coming In: Used JD 4430 R.G. & Q.R.; JD 4040 PS w/R.G.; JD 4030 Q.R. w/R.G.; JD 4030 w/Fender; Used 4630 C.A., nice; 4230 w/R.G.; 2840 w/R.G.; Case 2090 C.A., PS; Case 2590, like new, C.A., P.S.; Case 1070 & 970 w/Cab; MF 285D.

CORNPICKERS: N.I. (New) 324-2RW w/Super Sheller List $15,390 SALE $8,475; (New) 323 - 1R; (Used) 325-2RN w/8 or 12 Roll Husker, Shellers & Super Shellers **(SOLD);** (Used) 324-2 RW w/ 8 or 12 Roll Huskers; Shellers & Super Shellers; 323 - Like New; 323 Nice - $2,500; 305 & 319 MNTD; JD 237 MNTD; JD 300, w/2 or 3R C.H.

N.I. 330 - 3 RN w/Supershellers; 325 2RN w/Grinder.

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

J.D. 5440 S/P w/R.W.D. C.A. - Hydro; 5200 S/P w/R.W.D. C.A. Hydro; 3960 - Elect. Controls; 3800 w/Elect. Controls; 38; 5200 S/P w/R.W.D. - Fire Damaged Cab.

N.H. 890, 782, 770, S717; 717.

FOX Super-D S/P - $4,950; 3310 w/3RN.

GEHL 600 w/2R; I.H. 830 w/3RN; IH 50 w/heads.

FLAIL CHOPPERS: (2) NH Used 38, I.H. 10 & 8; **N.I.** 4R Stalk Chopper.

FORAGE WAGONS: J.D. 716A w/Roof - Real Nice - $6,750; 716A - $3,450; **N.H.** #8 w/Roof, Real Nice; (2) **HESSTON** 7316 w/10 Ton Gear - 1 Yr. Old - $4,250; **HESSTON** #30 Stack Hand - $4,250.

HAY EQ.: BALERS: J.D. 336W w/Thrower - Real Nice; 346T w/Thrower; 466 - Big Baler For $5,000; JD Round 500 - $3,800. NH 310 w/Thrower; NH 320 w/Thrower; 280 W w/Motor; 275T; 273T w/Thrower; 69; **M.F.** 12; **I.H.** 440; **N.I.** 456 Round Baler.

RAKES: N.H. (New) 256; (Used) 258 w/Front Wheel; 256.

N.I. (New) 406 w/Dolly Wheel - $2,275; (Used) 402.

J.D. 660 w/Dolly Wheel; **I.H.** 15; M.F. 20 - 3 pt. - 6 Bar.

GRIMM & LELY TEDDERS

HAYBINES: N.H. 1495 S/P Hydro C.A. - 1,100 Hrs. - Real Nice; 1495 S/P Hydro, ½ Cab - Fresh Motor Overhaul; (Used) 489, 488 Nice; (2) 479; 472 (Nice); 461; 467, 7'.

HESSTON PT-7; 1014-12' Hydro Swing $1,975.

I.H. 990 - $1,000; **GEHL** 880 - $1,000; **M.C.** (New) 7E Rotary Scythe - $4,850; (Used) 7E; **N.I.** 270 Cut/Ditioner $950; 279 - Good; N.H. 1034 Stack Wagon.

FORAGE HEADS: N.H. 717-S Direct-Cut for 770 & S717; 737 Direct Cut For 717; 890 EN-2RN Snapper Head; 770-1R Snapper Head; 1, 2, & 3R Silage Head; Hay Pickups.

J.D. 8' Direct-Cut Head; 1, 2 & 3R Snapper Heads; 2 & 3 R Silage Heads, New & Used 5½' Hay Pickups; 7' Hay Pickups; 4-R Stalker Head - Real Nice; JD 243 C.H. w/adapter plate; 5 JD C.H. harvester adapter plates.

I.H. 2 R.N. Silage For 550-650.

FOX 2 CSB 2RW - Snapper Head; 263-2 RW & 3RN Silage; 215-109 Hay Pickup; 476 - 7' Hay Pickup.

GEHL HA 400 Pickup.

N.I. 761 Pickup.

FIELD QUEEN 1413 Flail Cutterhead.

PLANTERS: J.D. 7000-(New) 6R Cons. w/Dry Fert., Ins. & Monitor - $12,900; (Used) 7000-6R Cons. Liquid w/No Till; 7000 6-R Dry; 7000-4R Dry & Liquid; 1440-4RW; JD 7000, 8R 30", fully eq. w/no' til.

I.H. 800 Cyclo - 6R w/Dry Fert.; Ins. & Monitor; 400 Cyclo - 6R Liquid - $1,850; 400-4R Dry; #56 - 2RW D.D. - Dry.

WHITE 5100 - 6R Drl; **OLIVER** 5400-6R Dry w/Fill & Pop. Monitor - No-Till; **A.C.** 12R No Till Soybean.

DRILLS: JD 8300 (Like New) D.D. 100 Acres; 21x7 D.D. w/Soybean Att; 8300 21x7 D.D. - $3,250; 8200 D.D. 21x7.

I.H. 510 21x7 D.D. w/Press Whls; 510-16x7 S.D. w/Fert & Grass Seed; 510-18x7.

M.F. 43-22x7 w/Grass Seed $1,875; **MOORE** 10' No Till, Like New; **BRILLION** Seeder; **N.I.** 12' LIMG Drill.

GRINDER/MIXERS: N.H. 357, 352 - $1,450; **I.H.** 1150 Nice; GEHL 95 - Real Nice.

TILLAGE EQ.: PLOWS JD 2+3x #845 Rollover; Oliver 3x Rollover; Oliver 4x Rollover; JD 4x16, 3pt.; JD 4x16 Semi-Mount **(SOLD);** Oliver 546 4x- Spring Reset; Oliver 5x Cushion Trip; DMI 5x; **I.H.** 5x16 Semi-Mount w/Spring Reset; **OLIVER** 546 - 5x16 Spring Reset; **I.H.** 700 - 6x16 Spring Reset; **J.D.** 2500 6x18 Spring Reset; **WHITE** 549 6x18 Spring Reset On-Land; J.D. 7x; Oliver 566 7x.

CHISEL PLOWS: Brillion 8'; Athens 9'; JD 150 10'-12'; (New) D.M.I. 12'; I.H. 55-12'; Brady 1000-14'; Sunflower Hyd. Fold 18' - $1,850; J.D. 1600 - 21' Hyd. Fold; (New) Landoll 230 - 23' Hyd. Fold.

DISCS: Crustbuster 10' Flex Offset; Miller 10' Offset; J.D. 310-12' **(SOLD);** I.H. 370-15'; J.D. - 15'; A.C. 18'; J.D. 220-20' - Hyd. Fold; I.H. 480 - 20'; Kawanee 22'; A.C. 25' Hyd. Fold; JD 230, 20' hyd. fold.

MULCH TILLERS: M.F. 129 - 11'; J.D. 1710 - 11'; Krause 2800 - 14'.

CULTIMULCHERS: New Dunham Lehr 13'; Used Dunham/ Lehr 13' **(SOLD);** Brillion 15' w/Inside Wheels; Brillion 21' - Hyd. Fold.

PACKERS: (New) Brillion - 12'; (New) Brillion 25' - Hyd. Fold; (Used) Brillion 21' - Hyd. Fold; Used 12 & 14' Packers.

CULTIVATORS: J.D. 4+6R Front Mount; RG4 - 3 Pt.; Littleston 4R-3 Pt.; Oliver 6R Front Mount; **I.H.** 4R Front Mount; 12' Field; **J.D.** 1000-25' - Hyd. Fold; **I.H.** 20' - Hyd. Fold.

HARROWS: I.H. 12' Drag; **J.D.** 16' & 20'; **OLIVER** 16'; Case #100-25'.

MISC: I.H. #2 & 7 Shank V-Rippers; Glencoe Sok-Finisher 12'9" - Like New; **I.H.** 18' Vibra Chisel; Howard 13' Rotavator; J.D. Rotary Hoe; Bush Hog 7-Shank V-Ripper $1,650.

INDUSTRIAL: CRAWLER LOADERS: J.D. 450C, I.H. 500E Low Hours - Real Nice; CAT 933; A.C. H-3 w/6 Way Blade; A.C. 500-21' Forklift; J.D. 840 Self Loading Scraper; Case 530 D. Loader/Backhoe; J.D. 3010D. Loader/ Backhoe; Gehl 3000 & Bobcat 722 Skid Loaders.

LOADERS & BLADES: J.D. 48, 58, 145, 148, 158, 245; **I.H.** 2050; 2250; 2350; 2355 (New); **FORD** 772; Great Bend 700 (New); **DUNHAM LEHR** Fits I.H. 400-560; Set Of Forks For I.H. 2000 & 2250L; I.H. 8' Blade Fits 400-560; (New) J.D. & I.H. Buckets.

LAWN & GARDEN: I.H. Cub, Cub 154 & 184 Lo-Boys; Cadet 682 & 128.

J.D. 400, 318, 317, 314, 212, 210, 208, 140, 112.

MISC: (New) Killbros Bins & Running Gears; Artsway 800B w/Elect. Scales - Like New, $6,250; Feedwagon Grain-O-Vator Feed Wagon; **N.I.** 213 Spreader; 214 Spreader w/Endgate; Bestland Rock Picker; J.D. 65 Blower; J.D. 350 Sickle Mower; Used 6' grain auger; (New) Sidewinder 213-13' Rotary Cutter (Incomplete), List $5,885 - As Is $1,650; Bush Hog 12' Rotary Cutter; (New) I.H. #80 Snow-Blower - 3 Pt.; (New) McKee Snow-Blower Front-Mount; TANDEM AXLE FERTILIZER SPREADER; 3 Pt. Hitch For J.D. 630 & 730; J.D. Quick-Couplers; (2) Sets Of Press Wheels For J.D. Drills; (2) New Sets J.D. 38" Cast Whls. & Rim For 4640; I.H. Flat Top Fenders For 706-1466; CABS For Tractors - J.D., I.H. 66 Series; (New) Full Vision Cabs For M.F. 165 Thru 1135; Dual Wheels; J.D. & I.H Front & Rear Wts.; J.D. & I.H. Roll-Guards.

STRAW CHOPPERS: For **J.D.** 4400, 6600, 7700 & 8820 **(SOLD);** **M.F.** 510, 760.

TRUCKS: (76) **CHEVY** 4x4; **I.H.** Scout 4x4; DELTA 44' Combine Trailer.

MECHANICS SPECIALS: TRACTORS: J.D. 4230 P.S. - Trans; 5020 - Cracked Axle Housing; 4020 Tri; 4320 w/Cab.

I.H. 1256 - Motorwork, 460 Gas w/Loader - Minor Trans. Work; 560, 300; 706 Gas - Trans. Work.

CASE 1410 - Motor; 1212 - Housing.

FORD TW-20 - Housing; **OLIVER** 1800 - Motorwork; Ford 6000, needs motor.

COMBINES: J.D. 8820 **(SOLD)** & 6620 w/Fire Damaged Cabs ; J.D. 5200 S/P Chopper w/R.W.D. - Fire Damaged Cab.

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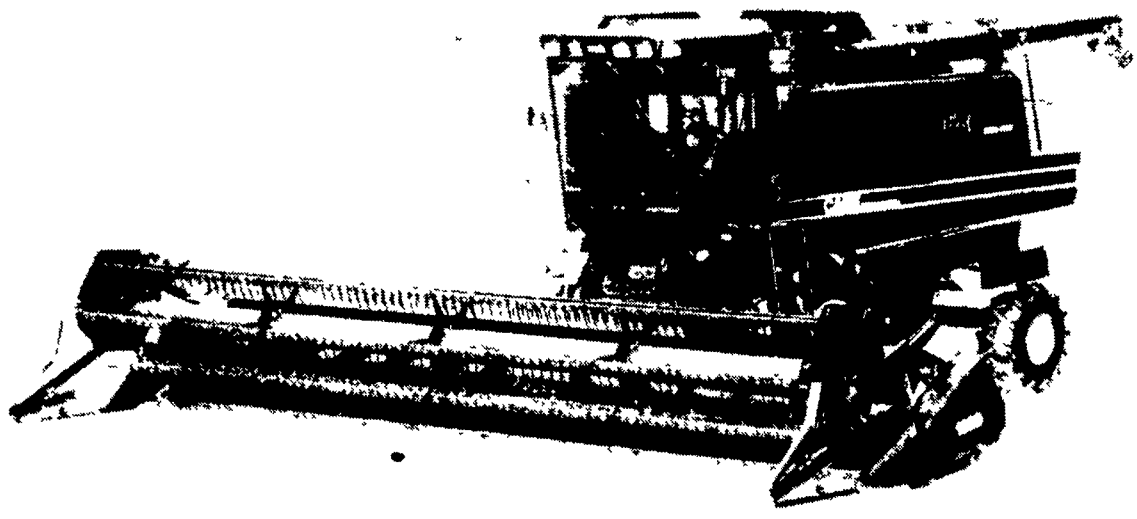

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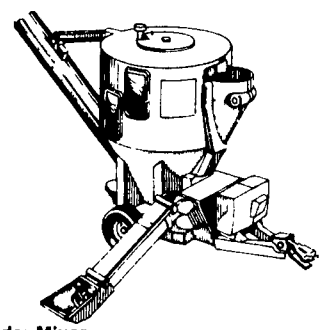
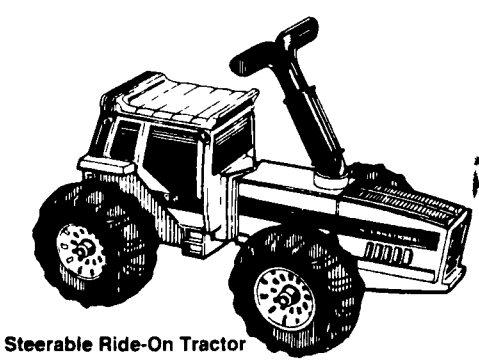


Grinder Mixer



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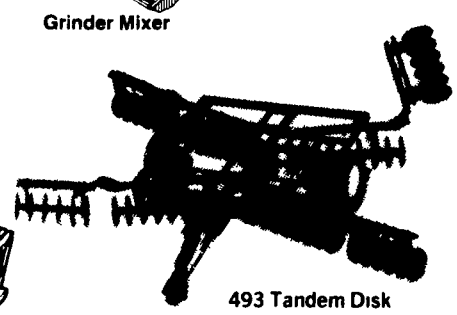

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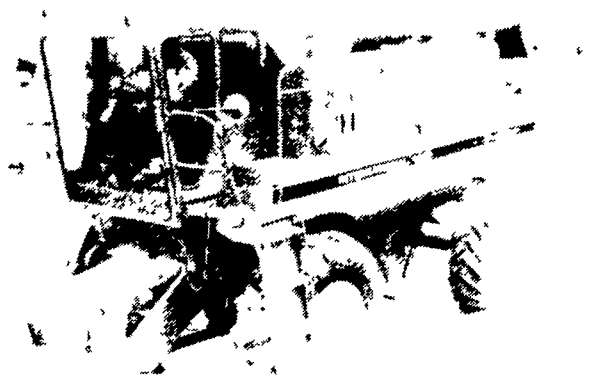
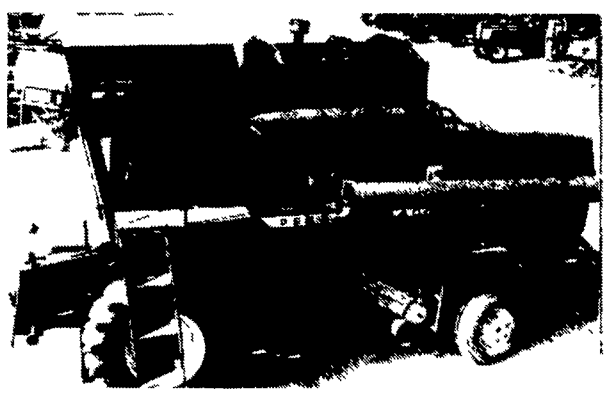
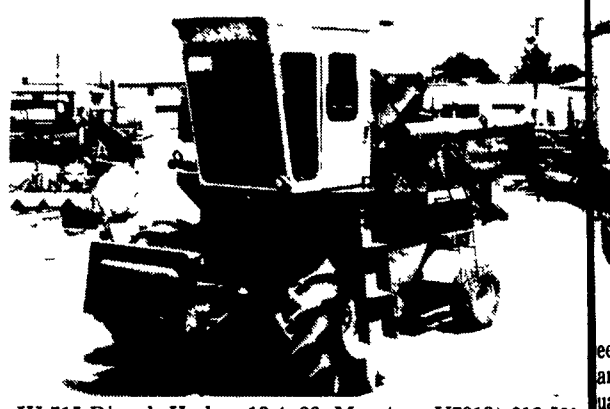


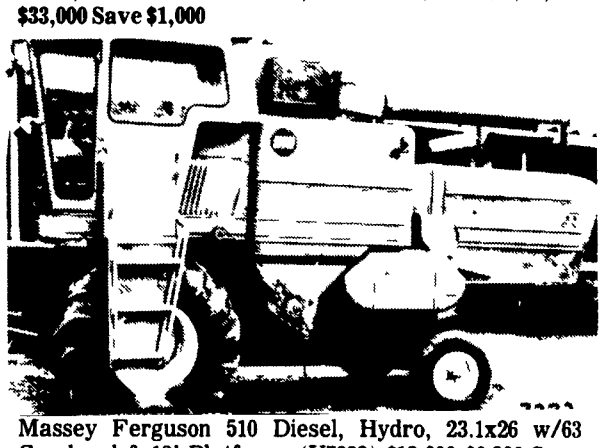
IH 1440D Hydro, Cab w/Air, 1979, 24.5x32 & 18.4x16.1 Tires, Auto Head Control, Monitor (U1241) ~~$34,000~~ $33,000 Save $1,000



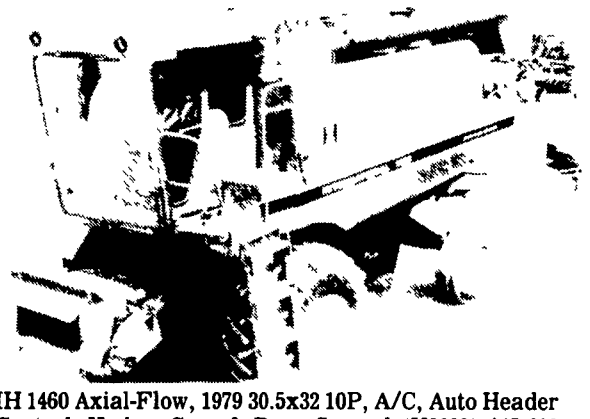
John Deere 4400 Diesel, 18.4x26, A/C, Straw Chopper (U9806)



IH 715 Diesel, Hydro, 18.4x26, Monitor (U7818) ~~$12,500~~ $8,750 Save $3,750



Massey Ferguson 510 Diesel, Hydro, 23.1x26 w/63 Cornhead & 13' Platform. (U7222) ~~$13,900~~ $6,800 Save $6,100



IH 1460 Axial-Flow, 1979 30.5x32 10P, A/C, Auto Header Control, Hydro, Corn & Bean Special (U9292) ~~$45,000~~ $34,500 Save $10,500

New Idea Uni-Harvester, Model 705 Tractor, Diesel, Model 767 Super-Chopper, Model 768 Wide/Narrow 3 Row Head (U1285)

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Deere 8630 4-Wheel Drive, Diesel, Quad-Range, A/C, PTO, 3 Point Hitch, 20.8x38 Duals (W1333) ~~$34,000~~ $33,000 Save $1,000

Deutz DX-160 Diesel, Cab w/Air, 18.4x38 Duals (W9694) ~~$25,000~~ $18,900 Save $6,100

IH F1066D, 18.4x38 8P, Dual PTO, Gear (W1316) ~~$12,500~~ $11,700 Save $800

IH Farmall A w/Cultivators, Rear Wheel Weights 9x24 Tires (W1143)

IH Farmall C, 2 Point Hitch, PTO, Consignment (W1290)

IH F1206 Diesel, Gear, 20.8x38 Tires, 120 HP, Cheap-Dependable Power (W8934) ~~$9,000~~ $7,000 Save $2,000

Gleaner G Diesel, Gear, Cab, w/630 Cornhead & 13' Platform (U1369) ~~$15,000~~ $12,200 Save $2,800

IH 1460, Diesel, Hydro, 24.5x23 10P & 11.00x16 Tires, Cab w/Air, Monitor, AHC (U9559) ~~$39,800~~ $34,000 Save $5,800

IH 1440 Diesel, Hydro, 28Lx16 10P & 11.00x16 Tires, Cab w/Air, Monitor, AHC (U9645) ~~$39,500~~ $34,000 Save $5,500

IH 203 Gas, Gear, Cab, 14.9x24 6P & 6.00x16 Tires, 2 Row Cornhead & 10' Platform (U1205) ~~$3,800~~ $3,200 Save $600

Deere 4840D, Powershift, 20.8x38 Duals, 1000 RPM PTO, Cab w/Air & Radio (W1180) ~~$28,000~~ $26,500 Save $1,500

IH F560 Diesel, Gear, 2 Point Hitch, Wide Front (W9623) ~~$4,000~~ $3,200 Save $800

I574D, Gear, PTO, 16.9x30 Tires, Row Crop, 1775 Hours (W1195)

Case 2390 Tractor, Like New Only 273 Hours, Powershift, 20.8x38 Duals PTO (W9997) ~~$28,500~~ $27,000 Save $1,500

IH Farmall H, Clean Tractor (W9625) ~~$1,200~~ $1,025 Save $175

I574D, Gear, 55 HP, Completely Reconditioned, 2250 Loader (W9797)

IH F1066 D Gear, 135 HP, 18.4x38 Tires, Dual PTO, 3 Point Hitch, T/A, Sharp Tractor (W9599) ~~$15,975~~ $12,900 Save $3,075

Ford CL-20 Skid Loader, Gas 8.50x15 Tires, 45" Bucket (W1183)

IH F1206D, New 18.4x38, Dual PTO, Extra Sharp Tractor (W9890) ~~$8,500~~ $7,500 Save $1,000

IH F1066D Hydro, 20.8x38 8 Ply Tires, Dual PTO (W1045) ~~$12,200~~ $10,500 Save $1,700

IH F1466D, 24.5x32 10P Tires, 11.00x16 8P, Dual PTO, (W1125) ~~$13,500~~ $12,400 Save $1,100

IH 3388 2+2 Tractor, 16.9x38 8 Ply Tires, Dual PTO, Full 4-Wheel Drive (W1109) ~~$24,500~~ $22,500 Save $2,000

IH F1566D Gear, Cab w/Air, 20.8x38 Duals, 165 HP, Cheap Power (W9921) ~~$14,800~~ $13,900 Save $900

IH F1466D Gear, 145 HP, 24.5x32 10P Tires, Aux. Fuel Tank, (W9236) ~~$14,800~~ $12,900 Save $1,900

IH F1066D Gear, 135 HP, 18.4x38 Tires, Dual PTO, T/A (W1058) ~~$13,500~~ ~~$12,200~~ Save $1,300

IH F826D Hydro, COMPLETELY RECONDITIONED, 18.4x34 Tires, Dual PTO (W9743) ~~$10,500~~ $9,200 Save $1,300

IH F656 Gas, Gear, 3 Point, TA, PTO, (W9194) ~~$6,500~~ $4,900 Save $1,600

IH F1086D, ROPS, 20.8x38 8P Tires, Dual PTO, T/A, 145 HP, Excellent Tractor (W8729) ~~$17,500~~ $15,200 Save $2,300

IH Farmall 200 Gas, 11.2x36 Tires, Fast Hitch, PTO

IH Farmall Super C w/Cultivator, 2 Row (W8569) ~~$1,500~~ $1,250 Save $250

MF 35 Gas, 13.6x28 Tires, PTO, Heavy Loader w/Down Pressure. (W1093) ~~$5,400~~ $4,300 Save $1,100

Steiger ST 300 Cougar III, Cat 3306 @ 300 HP, 30.5Lx32 Tires, Cab w/Air (W1273) $27,500

Case 2290, Like New, Power Shift, PTO, 20.8x38 Tires (W1239) ~~$22,500~~ $21,500 Save $1,000

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IH 550 Plow, 5f, 14" Spring Trip, (T9857)

IH 710 Plow, 3F, 16, Auto Reset, Semi-Mount (T9916)

IH 540 Plow, FF, 16" Spring Trip (T9725)

Athens Model 156 Chisel Plow, 3 Point, 7', Depth-Gauge Wheels (T1284)

IH 55 Chisel Plow, 13' Mounted, 3 Rank, 32" Shanks, Gauge Wheels (T9894)

Krause Model 2416 Rockflex Disc, 26' Heavy Duty, 1¾" Arbor Bolts (T9020)

Deere Model 210 Disc - 12' 9" Spacing, 20" Blades (T9074)

IH 510 18x7, Grain Drill w/Fertilizer, DD Openers (V9905)

Deere 8300 Grain Drill, 16 Double-Disc Openers, 10" Spacing, Press Wheels (U9922)

IH 540 Manure Spreader, 160 Bushel, Hydraulic Endgate, 8.25x20 Tires (V9769)

IH 595 Spreader, Hyd. Endgate, Dual Web, Upper Beater. Consignment (V9830)

IH 7' Cycle-Bar Mower, 2 Pt. Hitch (U1305)

Deere 110 Disc, 10' 9" Spacing (T8034)

Bush Hog Disc - 10' 9" Disc Spacing - Front, 7½ Rear, (T9109)

Brillion STT-01 Spring Harrow - 16' (T9185)

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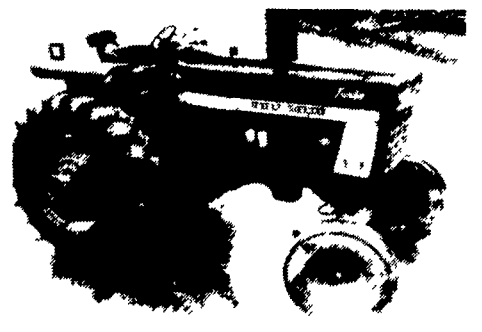
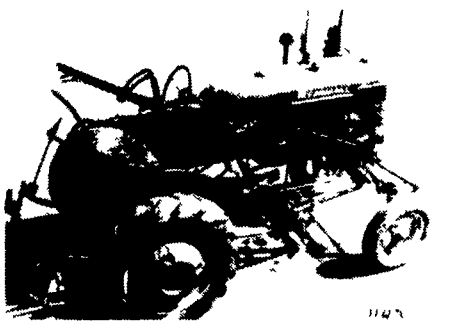
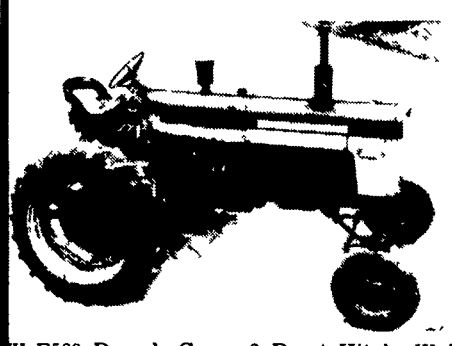


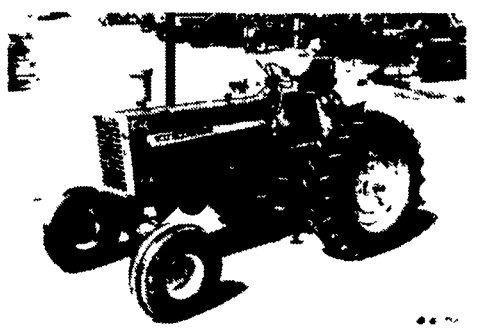
IH F1066D, 18.4x38 8P, Dual PTO, Gear (W1316) ~~$12,500~~ $11,700 Save $800



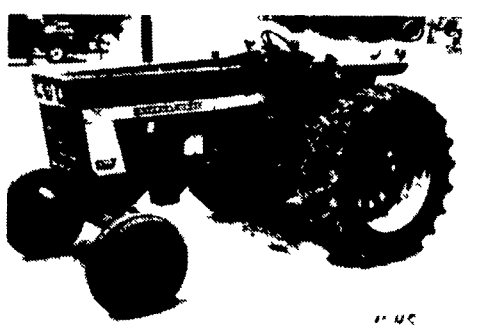
IH Farmall A w/Cultivators, Rear Wheel Weights 9x24 Tires (W1143)



H F560 Diesel, Gear, 2 Point Hitch, Wide Front (W9263) ~~$4,000~~ $3,200 Save $800

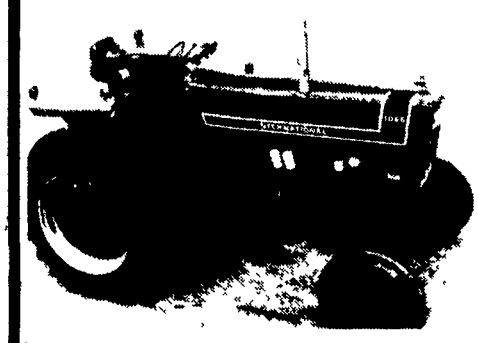


IH F1206D, N ew 18.4x38, Dual PTO, Extra Sharp Tractor (W9890) ~~$8,500~~ $7,500 Save $1,000

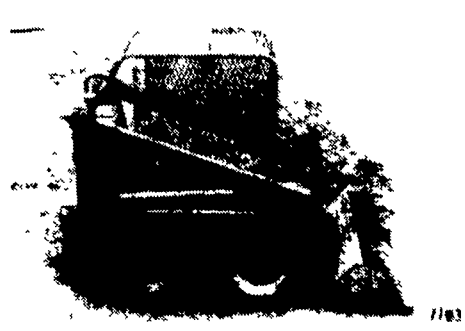


IH F1066D Hydro, 20.89x38 8 Ply Tires, Dual PTO (W1045) ~~$12,200~~ $10,500 Save $1,700

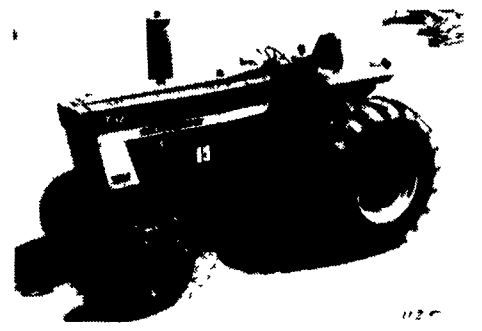
Case 2390 Tractor, Like New Only 273 Hours, Powershift, 20.8x38 Duals PTO (W9997) ~~$28,500~~ $27,000 Save $1,500



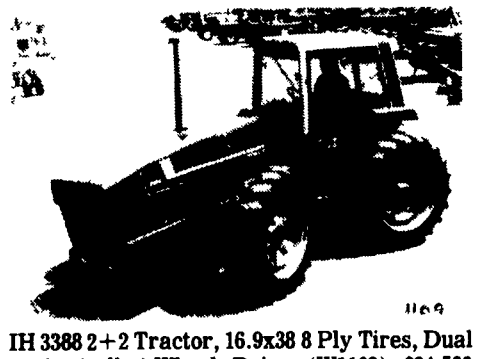
IH F1066 D Gear, 135 HP, 14.8x38 Tires, Dual PTO, 3 Point Hitch, T/A, Sharp Tractor (W9599) ~~$15,975~~ $12,900 Save $3,075



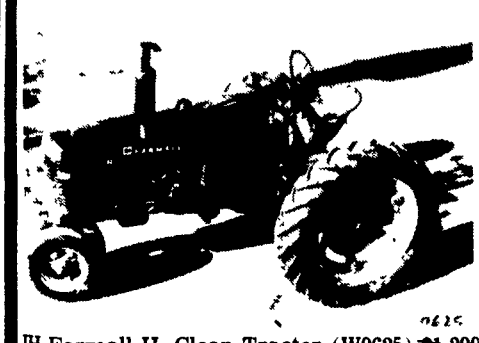
Ford CL-20 Skid Loader, Gas 8.50x15 Tires, 45" Bucket (W1183)



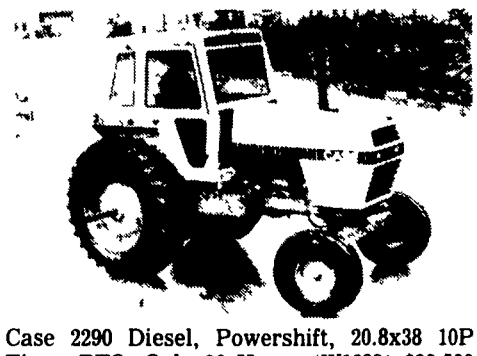
IH F1466D, 24.5x32 10P Tires, 11.00x16 8P, Dual PTO, (W1125) ~~$13,500~~ $12,400 Save $1,100



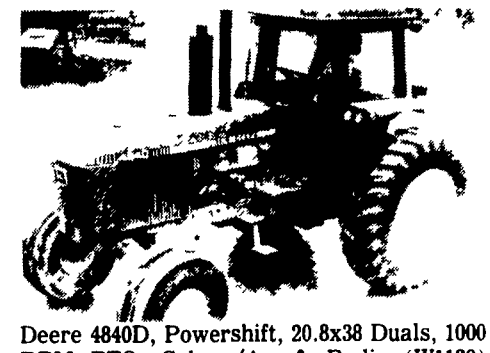
IH 3388 2+2 Tractor, 16.9x38 8 Ply Tires, Dual PTO, Full 4-Wheel Drive (W1109) ~~$24,500~~ $22,500 Save $2,000



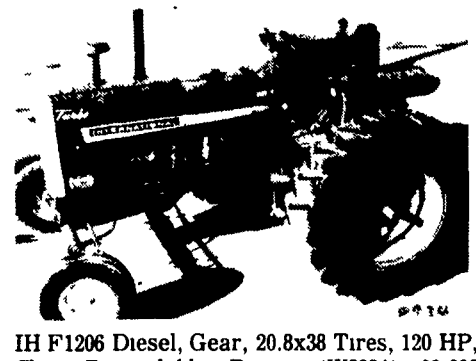
IH Farmall H, Clean Tractor (W9625) ~~$1,200~~ $1,025 Save $175.



Case 2290 Diesel, Powershift, 20.8x38 10P Tires, PTO, Only 36 Hours (W1239) ~~$22,500~~ $21,500 Save $1,000



Deere 4840D, Powershift, 20.8x38 Duals, 1000 RPM PTO, Cab w/Air & Radio (W1180) ~~$28,000~~ $26,500 Save $1,500



IH F1206 Diesel, Gear, 20.8x38 Tires, 120 HP, Cheap-Dependable Power (W8934) ~~$9,000~~ $7,000 Save $2,000

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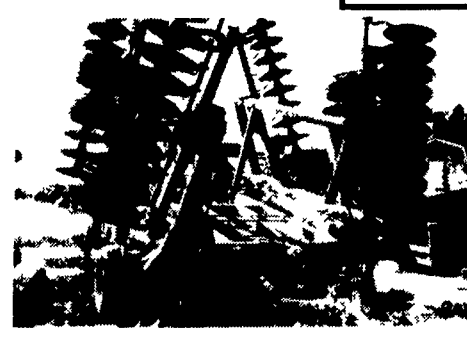
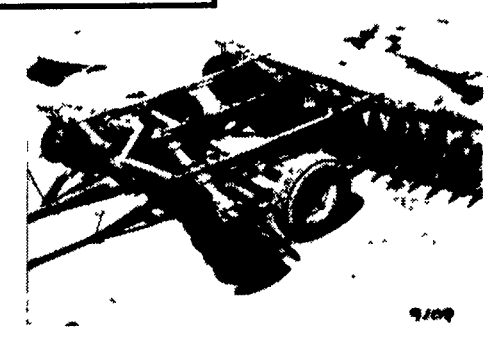
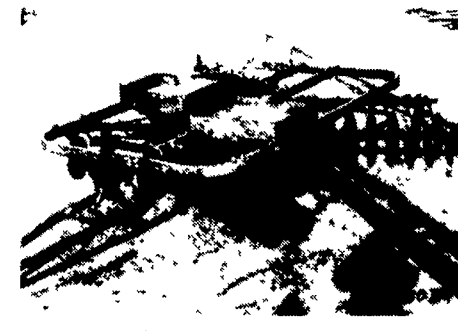


Krause Model 2416 Rockflex Disc, 26' Heavy Duty, 1¾" Arbor Bolts (T9020) ~~$13,900~~ $12,900 Save $1,000



Bushhog Disc 10'9" Disc Spacing - Front, 7½ - Rear (T9109) ~~$2,150~~ $1,400 Save $750



Deere 110 Disc, 10'9" Spacing (T8034) ~~$2,500~~ $1,575 Save $925

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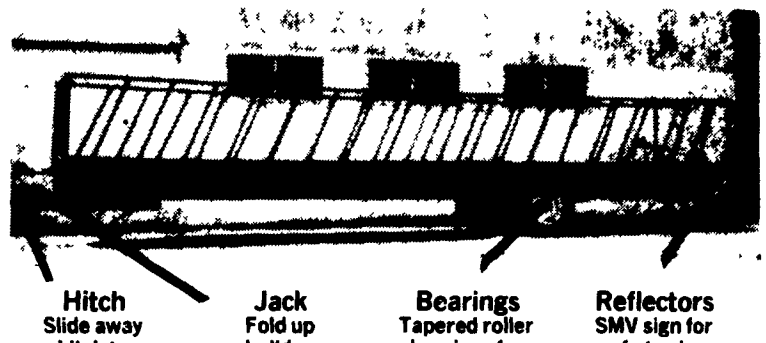

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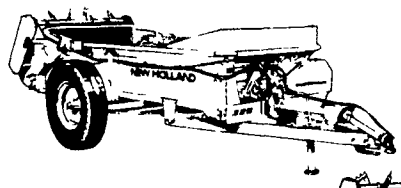

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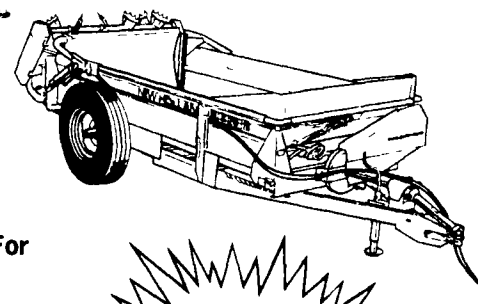

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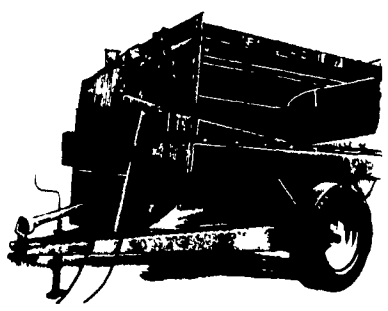

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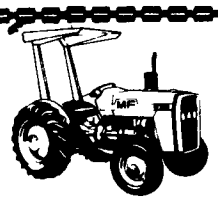

MF Massey Ferguson

TRACTORS & EQUIPMENT

MF 35 Tractor
MF 40 Diesel Tractor w/Loader
AC D17 Dsl Tractor
MF 50C Tractor w/Loader & Cab
MF 760 Combine w/Attchs

NEW M.F. EQUIPMENT

MF 240 Tractor
MF 240 Tractor
MF 283 Tractor
MF 1030 Tractor 4 WD
MF 1020 Tractor w/Turf Tires
MF 1010 Tractor w/218 Mower
MF 1010 Tractor
MF 236 Loader
MF #43 2B Plow
MF 427 No-Till Drill
MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 22 Bale Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades
MF 1018 Mower

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USED EQUIPMENT

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New Landall 5 Shank Soil Master
JD 1610 Pull Type 11' Chisel Plow
JD 1710A Pull Type 11' Mulch Tiller
JD 2700 6 Bottom Spring Reset Plow
JD 2600 5 Bottom Spring Reset Plow
JD 1010 13' Field Cultivator
JD 900 V-Ripper 7 Standard
JD 27 Flail Shredder

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NI 323 Corn Picker
$3,500

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JD 4040	$20,500
Ford 6000	$ 2,900
Oliver 1650 Diesel Overhauled	$ 5,500
JD 4440 w/SG, 500 hrs.	$25,500
JD 2440 w/145 Loader 700 hrs.	$15,000
JD 2020 w/Hi-Lo, 1900 hrs., new paint	$ 6,500
IH 1486 w/Duals	$16,900
IH BN w/Cult.	$900
Long 450 Dsl.	$4,500
IHC w/Equip.	$1,900
JD 2940	$15,000
JD 730 Dsl	$ 3,500

COMBINES

JD 6620 Sidehill w/643 C.H. & JD 215 Flex Head	Call for Price
JD 215 Flex Head	$4,500
IH 205 Combine w/3R C.H.	$ 5,500
NH TR 70 w/6 Row Head	$17,900
68 JD 45	$ 5,000
MF 300 Massey w/heads	$ 6,500

MANURE SPREADERS

JD 680	$3,500

PLANTERS

JD 4 Row Cons. w/Liquid	$ 7,500
JD 4 Row Consv. Liquid	$ 7,500
AC 4 Row 800	$ 1,500
(2) JD 7000 Cons. 6 Row	$ 9,000
JD Cons. 7000 6R. Liquid	
JD 8300 21x7 w/Tru-Vee Openers	$ 4,100

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JD 1610 Folding Field Cultivator, 22'	$ 3,500

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IH 720 Harvester w/2 Heads	$ 3,500
JD 1209 Mower/Conditioner	$ 1,500
NH 469 Mower Conditioner	$ 1,000
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IH 756 diesel, wide front end, 3 pt. hitch, good clean tractor
IH 1066 cab, solid tractor with rebuilt TA, dual hydraulics, dual PTO
Farmall 656 diesel, 3 pt. hitch, good TA

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Bush Hog Wheel Carry Disk Harrow, Cut Out Disk On Front, Med. Weight Disk $3,575

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OMC 440 Skid Loader, Hydrostatic, Gas, Good Condition
OMC 440 Diesel Skid Loader. New Flotation Tires. A Real Good Machine
OMC 207 Mower-Conditioner
Ford 3 Pt. Hitch Round Bale Mower w/Cyl. For Stacking Or Unrolling
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IH 3200 A, 30 H.P. Skid Steer
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- EY27W, 7.5 HP, Electric $445

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- KF 64GS, 6.5 HP, Recoil. $250
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NH 791 Spreader 4 Yrs. Old, Very Nice
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315 Baler w/#70 Thrower, Real Good
NH 315 Baler No Thrower, Real Good
NH 320 Baler Good Shape No Thrower
New 12T Tandem Zimmerman Wagon $1,095
NH 555 Skid Loader [illegible] Hrs.
Int. 2 Wheel Rake
640 JD Rake

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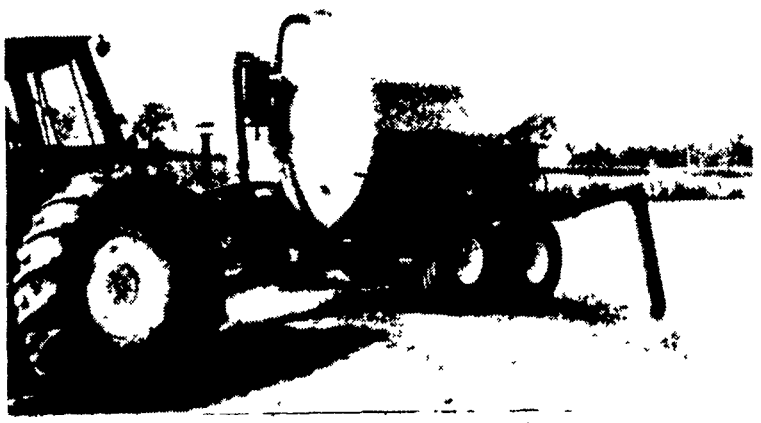

2900 Gal. Tank w/Easy Loader

NOW (Patent Pending)

You can haul liquid Manure all day without getting off the Tractor Seat using the SLURRY BUGGY Easy Loader

1.) Back up to pit or lagoon. Lower easy loader (boom) from tractor (by hydraulic)
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A liquid manure spreader that loads and unloads and has no chains, bearings, fans, augers, or moving parts that touch manure.

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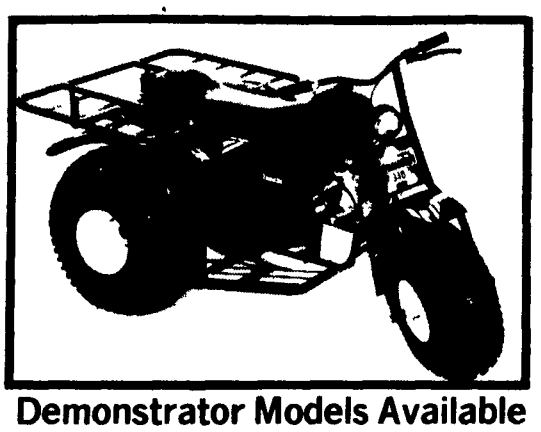
CHRISTMAS GIFT SPECIALS



Demonstrator Models Available

	List	Special
Sasquatch Model 340 w/reverse	$2050.00	$1450.00
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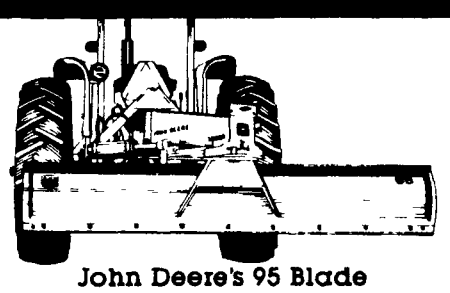
HEADQUARTERS FOR ALL YOUR FARM EQUIPMENT NEEDS

The all-purpose 95 Blade



John Deere's 95 Blade will handle many blading chores behind tractors up to 90 hp

Push snow, grade gravel reshape ditches, move manure — the 95 Blade does all this and more Simple manual adjustments for angle tilt pitch — optional hydraulic offset

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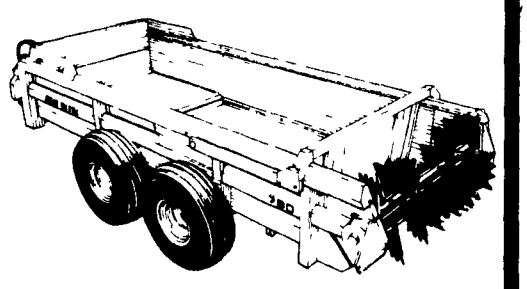


John Deere 780 Hydra-Push™ Spreader holds 370 bushels Unloads with amazing speed

USED EQUIPMENT SPECIALS

TRACTORS

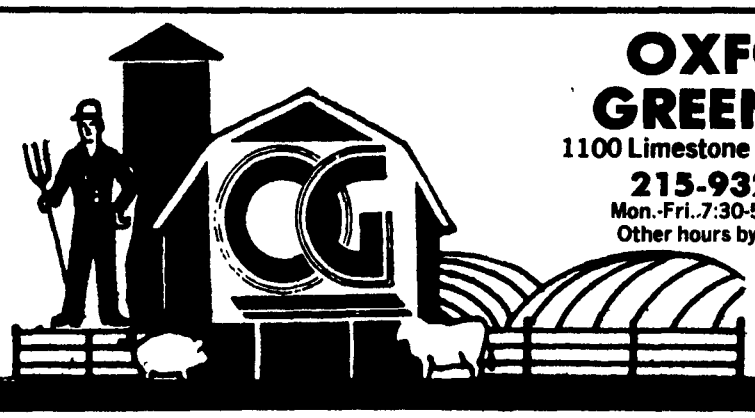
Deere 2350 Utility Tractor w/front wheel drive
Deere 4020 diesel Tractor, power shift trans.
Deere 4440 Tractor w/4 post & power shift trans.
Deere 4440 Tractor w/sound guard, SOLD & quad range trans.
Deere 2840 Tractor
Deere 2630 Tractor
Deere 2010 gas utility Tractor
Kubota 16 h.p., 4 WD Tractor w/mower

IMPLEMENTS

(1) 7000 6 row narrow no-till JD planter
(1) 12 row folding JD no-till corn planter
(1) 781 NH Manure Spreader w/Hyd. endgate
(1) 716 JD Forage Box w/3 beater & roof
(1) 216 JD Forage Box w/roof
(1) 15' Woods folding rotary cutter
(1) 770 NH Forage Harvester w/2 heads
(1) Fox pull type Forage harvester w/3 row corn head & hay pickup

COMBINES

Deere 7720 4WD Combine
Deere 6620 Sidehill Combine
Deere 7720 2WD Combine
Deere 3300 diesel Combine
NI Uni System w/12 roll husking bed & 3 row narrow corn head



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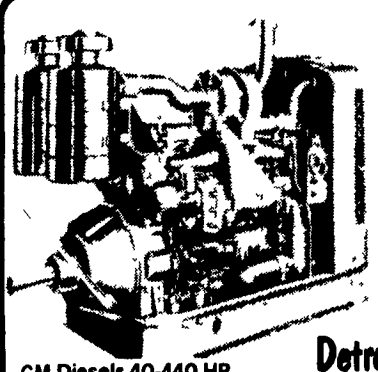

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1896 95 H.P.
684 & Loader
584 4WD 484

OTHER NEW EQUIPMENT
496 22 Ft. Disk
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445 Baler & Kicker
2250 Loader
881 Forage Harvester
600 Blower
1190 9 ft. Mower Conditioner

SPREADERS
530
540
560
595

MISCL.
Kuhn Tedder & Disk Mowers
Woods Mowers

USED EQUIPMENT
TRACTORS
IH 1568
IH 1256
IH 766
IH 674
IH 574
IH 484
IH 544
IH 544 Hydro & Loader
IH 385 SOLD
IH 284
IH M
IH H & Loader
IH Cub & Mower
IH Cub & Cultivator
MF 65 Unloader
Kubota 175 & Mower

MISCL.
IH 105 Grinder Mixer
Woods 121 Mower
NI 270 Cut-ditioner
IH 720, 618 Plow
IH No. 10 Drill
NI 319 Mounted Picker
NI 212 Spreader
IH 1190 7 Ft. Mower Conditioner

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- Case 430
- Case 1070
- Case 1490
- Oliver 500
- JD "A" Tractor
- White 2-105 Tractor
- David Brown 990 w/Loader
- International 574
- Ford Jubilee
- Ford 3000

LOADERS
- Case 1816C Skid Loader
- Case 450 Crawler Dozer
- Int 3200 Skid Loader
- NH L425 Skid Loader

TILLAGE
- IH 3-16 Plows (2)
- Int 2-Bot Trailer Plow
- Case Disc Harrow 10'
- MF 3 Bot Plow
- Glencoe 7-Tooth Chisel Plow
- Glencoe 7-tooth Soil-Saver
- Case 18' Disk
- Case Field Cultivator
- Oliver Disk
- 3 Pt Disk
- Used Cultipacker

HARVESTING EQUIPMENT
- Hesston 2000-150 Harvester
- Hesston Harvester Head-3 Row Wide
- Case 600 Combine w/3-Row Head
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 326 Husker
- NI 315 Sheller
- NI 729 Sheller
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Corn-picker
- NI 325 12 Row Husking Bed
- NH 717 Harvester
- Gehl 600 Snapper Head
- Gehl 800 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- Hesston PT 10
- Hesston 1014 Windrower, 14 Ft
- Hesston 1010 Windrower
- Hesston 1090 Windrower
- 2 Bale Thrower Wagons
- Case Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- NH 320 Baler
- NH 1010 Hay Wagon
- Case 230 Baler

MISCELLANEOUS
- Zimmerman 32 Ft Elevator
- King Wise 32' Elevator
- IH 400 Corn Planter, 8 Row
- 3-Row Cole Corn Planter
- 4-Row Cole Corn Planter
- Martin 1666 Spreader
- 6 Used Spreaders
- NI 218 Spreader
- Weaverline Cart, 24 Bushel
- Weaverline Cart, 30 Bushel

NEW SPECIALS
New Idea 404 Wheel Rake $1,250
Hesston Pit Agitators $1,450

HESSTON FARM EQUIPMENT

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Bethel, PA
Phone 717-933-4114

SUPER SPECIAL OF THE WEEK

AC 6080
2 WD w/ROPS
$16,975

FALL SPECIAL
DISK HARROW
1 Only Model 2500, 10 Ft.
Cushion Gang
$4,475

USED EQUIPMENT
AC 7000 w/Cab
Model 800 Silamix w/Dig. Scales
XT 190D AC Tractor, Real Nice
Used NI 737 Husking Bed attach.
NI 702 Uni Harvester With 717 Combine Head
Vicon RC 330 Rake Tedder - Like New
NH Model 90 Bale Handler
AC 4 bottom SC plow
JD 6 Bottom Reset Plow
Used E-3 30 cornhead, excellent condition SOLD
1 AC Model N-5 Comnbine w/630 C. Head & 15 Ft. G. Head
AC 333 4 Row Corn Planter
Papec Harvester w/Both Heads

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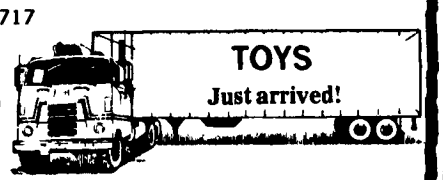
IH 6788 D w/cab, air/heat-130 hrs., like new!
Farmall 460 D
Farmall 400
Farmall H w/loader
Farmall A w/1-B Plow & 1-row cultivator
MF 180 D w/loader
MF 50 Gas w/loader
JD 2750 D, w/40 hrs, like new!
JD 2630 D, Excellent!
JD 3010 D
JD 630 w/wide front end
(2) JD 60 Gas
Oliver 1855 D wide front end, Excellent!
Oliver 500 D w/3 pt
AC 190XT D w/cab
AC 185 D
AC 180 D
AC D19 D
AC D17 D
(2) AC WD Gas
AC CA

COMBINES
Gleaner N5 Rotary w/cab, air/heat, 15' grain & 630 corn heads
982 Gleaner L2 w/cab, air, 13' grain & 630 C H
1978 Gleaner M2 w/cab, air, 15' grain & 438 C H
Gleaner F2 Diesel w/cab 13' grain & 438 corn heads
Gleaner FKS w/cab, 13' grain & 438 corn heads
Gleaner KKS w/cab, 10' grain & 238 corn heads, EXCELLENT!
Gleaner CII w/12' grain & 438 corn heads
Gleaner E w/cab, 10' grain & 238 corn heads
JD 45 w/both heads
IH 315 w/cab, grain & corn heads
IH 93 w/10' grain head
NI Uni-System 702 w/717 combine, 4-row corn head

TILLAGE
AC 4B 3 pt Plow
AC 3B 3 pt Plow
JD 2600 5B Automatic Adj Plow w/spring reset, like new!
JD 13' Transport Disc
JD 10' Transport Disc
Oliver 6B semi-mt Plow
MF 520 10' Disc, like new!
Pittsburgh 13' Transport Disc
AC 9' Transport Disc
Kewanee 10' Mulcher
Brady 630 Shredder

MISC
(2) Weaverline 330 Silage Cart, 30 BU w/automatic charger, EXCELLENT!
(2) Weaverline 224 Silage Cart, 30 BU w/automatic charger, Rebuilt!
Behlen Grain Dryer w/engine

MANURE SPREADERS
(2) NI 214, Liq pan, 210 BU, Excellent!
(2) NI 218, Liq. pan, 300 BU
NH 510, 3 beater, 165 BU
NH 676, Hyd Endgate, 320 BU
Farmall 550, Hyd Endgate, 200 BU
FarmHand w/Hyd Endgate, 125 BU



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December 7-31, 1985

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Ford 4100 w/Cab
Ford 4610
Ford 4610, 4WD
(2) Ford 5000
Ford 5000 SOS
Ford 6610
Ford 6610, 4WD
Ford 7000
Ford 7400, 4WD & DP
Ford 7600
Ford 7600 w/cab & DP
Ford 7700 w/cab & DP
Ford 8200, 4WD, 110 h p
Ford 9700 cab, DP
Ford TW15 w/cab & air
Ford TW20
JD 2130 1975, w/cab H 4WD
JD 2130
JD 3040 Mech 4WD
JD 3040 w/cab
JD 3130
JD 4240, 4WD, cab & air
IH 330 Utility
Case 2090, 2 WD w/cab & air
Case 2290, 2WD w/cab & air, power shift

We are now your authorized Mitsubishi Dealer

We also have a large inventory of tractors at our other location at 4530 Olde Scotland Rd., ¼ mile off Exit 8 on 696 North.

¼ Mile East of Exit 6 I-81 on U.S. 30
Hours: 8:30-5:00 Mon.-Fri.
8:30 - 12:00 Saturdays

FERGUSON TO30 TRACTOR

Excellent condition with new Bushhog plow, cultivator & scraper blade, $2700

301-876-1956

---

case IH

Toys For Christmas!

AG TOYS!

See Our Good Selection In Stock

USED TRACTORS:

AC 170G	$5500	IH F560D	$3960
JD "A"	$ 700	IH 230 Gas	$2100
JD 420 Gas	$1500	IH Super H	$1500
IH F460 Gas	$3600	Farmall C	$1450
IH 574G Utility	$7500	IH 656 Gas	$5500
Case 1070D	$17,000		

USED PLANTERS & DRILLS:

IH 56 6-Row Plate	$1250	JD 1240 4-Row	$1650
IH 56 4-Row	$1975	JD 7000 4-Row	$5200
IH 800 Cyclo, 4 Row	$8000	IH 78 Front Cultivator	$ 800
IH 400 4-Row Cyclo	$3200	IH 2-Row Cult. For Farmall C	$ 250
IH 400 6-Row Cyclo	$3600	IH 461 Cult.	$ 750
IH Cyclo 400, 6 Row	$3200	White 5400 6-Row	$5000
IH Cyclo 400, 4 Row	$2400	JD Van Brundt Grain Drill	$ 300

USED TILLAGE EQUIPMENT:

IH 311 Plow, 3F	$ 200	Oliver 4F Plow, 14"	$ 800
IH 2x14 Plow For Farmall C	$ 175	Bush Hog 146 Offset Disk	$3500
IH 2x14 Plow, 2 Pt.	$ 150	Bush Hog 8-Tooth Chisel Plow	$ 975
IH 710 6x16 A/R Plow	$2350	Ford Tandem 19' Disk	$2650
IH 45 Vibra Shank	$1450	Dunham 6' Disk Harrow	$ 150
Oliver 13' Disk	$1650	IH 35A Disk	$ 900
IH 350 Disk	$1575		

USED HARVESTING:

IH 55 Baler (for parts)	$ 100	NI 402 Rake	$1130
IH 115 Mower	$ 550	2 Row Crop For IH 650 For. Harvester	$ 535
IH 420T Baler	$1600	Gehl FB99 Blower	$1300
IH 420T Baler w/Thrower	$3500	IH 8 Flail Chopper	$1400
IH 720 Harv. w/2-Row Row Crop & 6 Ft. Hay Pickup	$6725	IH 7 Flail Chopper	$ 750
IH 830 Harv. w/3-Row Row Crop & 6 Ft. Hay Pickup	$7000	NH 33 Flail Chopper	$2000
IH 350 Harv. w/1-Row Row Crop	$1200	IH 56 Blower	$2400
IH 34 Hay Conditioner	$ 150	IH 56 Blower	$1450
NI 305 2-R Mounted Corn Picker	$1300	Fox Blower	$ 200
		66" Rotary Mower-Pull Type	$ 450
		Badger 1416 Forage Wagon	$3500

USED LAWN & GARDEN:

70 Cub Cadet w/42" Mower	$ 900	Cub Cadet 526 Rotary Tiller	
81 Cub Cadet-38" Mwr		White LT 1610-44" Mwr	
100 Cub Cadet-38" Mwr		Brinly Plows	
105 Cub Cadet-38" Mwr		Jacobsen GT-12 Hydro, 50"	
122 Cub Cadet-48" Mwr		Ferguson Rototiller (rear mt.)	
124 Cub Cadet-42" Mwr		Power King 1614	
127 Cub Cadet-38" Mwr		Snapper Comet 41, 40"	
147 Cub Cadet-48" Mwr		JD 112 w/38" Mower	
1650 Cub Cadet, 44" Mwr.			
Cub Cadet Snow Blowers And Blades			

USED MISCELLANEOUS:

New Idea 212 Spreader	$ 650	IH Loader For Super H	$ 175
IH 1150 Grinder Mixer	$4200	Raven 200 Gal Mounted Tank	$ 400
Bobcat 700 Ldr.	$6500	IH 595 Spreader	$8500
Case 1737 Uniloader	$4000	IH 540 Spreader	$3150
Case 1830 Uniloader	$6500	Woods M-5 Rotary Mower	$ 695
Case 1816 Uniloader	$2950	McCurdy Fertilizer Auger	$ 897
		John Bean Sprayer	$1200

Badger

We Rent Badger Manure Pumps And Tanks!

Get Your Badger Chain NOW...

Sale Ends Dec. 30th

Swope & Bashore, Inc.

NEW HOURS
MONDAY TO FRIDAY
7 AM To 5 PM
SATURDAY 7 AM To 11:30 AM

RD1 Myerstown, Pa.
Located 1 Mile S. of Int. 78 & 6 Miles N. of Myerstown on Rt. 645 in Fryestown
PHONE 717 933 4038

IN PA – CALL TOLL FREE – 1-800-692-7467

TRACTORS
Ford 555 LBH, Cab
Ford 9000 Cab & Duals
Ford 8000 w/Cab
Ford 4500 w/Loader
Ford 4400 w/Loader
Ford 3400 w/loader
Ford 6700 w/canopy
Ford 4200 10SP
Ford 335 w/Loader
Ford 3600 D.
Ford 3000 8 speed
Ford 2600 w/Loader
Ford 2110 LCG
Ford 2000 G, 4 SP
Ford 1000, Turf Tires
Ford 901 10 speed
Ford 801 w/Loader & Hoe
Ford 801, Live PTO
Ford 801 w/Loader
Ford 800 w/Post Driver
Ford 800 w/loader
Ford 601 w/Blades
New Mitsubishi 210, 10 hrs.
Satoh w/Mower
Satoh Elk
AC D15 3 pt.
IH 666 D., WFE
IH 504, 3 pt.
IH SH w/loader
IH Cub w/Mower
Case 580 Loader & Hoe
Case 830
JD 3020 D., NFE
JD 2840 w/Cab
JD 2240 w/Canopy
JD 60 PS, LPTO
MF 175 D 8 speed
MF 150 G, PS
MF 135 w/loader
Oliver S 55 3 pt.
Ford 6x16 Plow
Ford 4x18 Plow
JD 4x16 Plow
Ontario Grain Drill
JD 15' Disc
NI 323 Corn Picker
JD 3300 Combine

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

DEPENDABLE MOTOR CO.

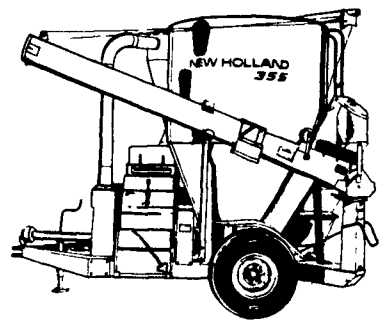
East Main St., Honey Brook, Pa. 215-273-3131-273-3737

NEW EQUIPMENT SPECIALS

NH #320 w/#70 Thrower	ONE ONLY	$12,800
NH #316 SS		$8,600
NH #256 Steel		$2,345
NH #456 Mower		$2,470
NH #718 Harvester (Demo)		
NH #28 Blower		$2,915
NH #770W Pickup Head		$1,925
NH #8 Forage Box, 3 Btr. and Roof	Cash	$4,800
NH #355 Grinder Mixer, Hydraulic Drive		$7,430

Plus Big Cash Savings On All Equipment

NH 355 Grinder Mixer w/Hyd. Drive, 10 Ft. Auger, Flotation Tires



SPECIAL DEAL
$7,430
Cash Disc.
$325
$7,105

PLUS MORE EQUIPMENT IN STOCK - CALL TODAY

- Waiver of Finance On All New & Used Hay Equipment Till July 1, 1986

OR

- Cash Rebates Up To $7400

OR

- 0% Financing - 12 Mos.
- 0 % Financing - 18 Mos.

- Waiver of Finance On All New & Used Forage Equipment Till September 1, 1986

OR

- 0% Financing - 24 Mos.
- 8.9% Financing - 36 Mos.
- 10.9% Financing - 48 Mos.

DEPENDABLE IS MORE THAN OUR NAME

MORE DISCOUNT CASH & CARRY DAYS SPECIALS

MORE GOOD USED TRACTORS

- Ford 8600 Diesel Tractor w/ROPS, 8 Speed, Dual Power, 8 Front Weights

AS IS... **$5,800**

- Almost New Case David Brown Model 990 Diesel, 53 H.P. Rating w/Case 60 Series Loader, Only 650 Actual Hrs.

ONLY... **$7,650**

- IH Cub Cadet, 12 H.P. Riding Mower

ONLY... **$1,670**

MORE GOOD USED SKID LOADERS

- Mighty Mac 8C, 1976 Model, 20 H.P., 2 Buckets

$3,850

- Case 1835 B Gas Uniloader, #9861408, 1983 Model, Approx. 2011 Hrs., 32 H.P.

$8,800

- Case 1816 B Uniloader, #9845579, 44" Bucket, Compact 16 H.P.

$3,450

- Case 1845 Gas, #9841341, 12.00x16.5 Tires w/73" Bucket

ONLY **$8,650**

STACKS OF RACKS!

We Needed A Small Amount And Were Forced To Clean Out The Entire Warehouse!

Organize Your Farm Shop Or Warehouse With Like New Shelving At Salvage Prices

- Approx. 3,000 Lb. Capacity
- Heights Range From 8 Ft. To 16 Ft.
- Thousands Of Feet Of 10 Ft. Horizontal Bases
- Erect In Minutes
- Free Standing
- Delivery Available

CALL TODAY

JD 4030 DIESEL TRACTOR
1975 Model, 80 HP w/2100 Hrs., ROPS Canopy, 540-1000 PTO, Quad Range, 16 Speed, 18.4x34 Tires - New Dual Remotes, 6 Front Weights.
Ready For Work!

BINKLEY & HURST BROS., INC.

133 Rothsville Station Rd., Lititz, PA 17543 Located ½ Mile North of Rothsville

(717) 626-4705

Hours: Mon.-Fri. 7 A.M. - 5 P.M.; Sat. 7 A.M. - 11:30 A.M.; Sun Closed - Lord's Day

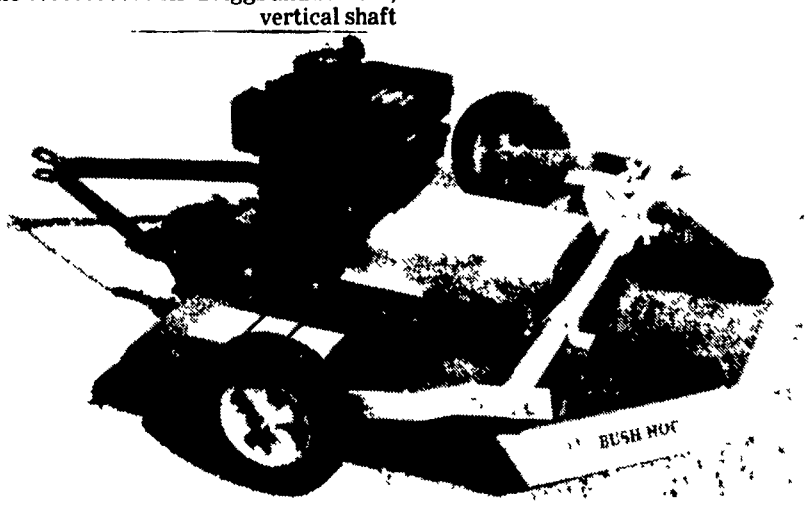
MORE DISCOUNT CASH & CARRY DAYS SPECIALS

BUSH HOG® ROTARY CUTTERS

GT-42 Powered Rotary Cutter

Can Be Pulled By • Compact Tractors • 3 Wheelers • Garden Tractors

- Cutting Width ..... 42"
- Transport Width ..... 54"
- Overall Width ..... 54"
- Length ..... 69"
- Type Hitch ..... Clevis type
- Cutting Height ..... 1-6" infinitely adjustable with turnbuckle
- Cutting Capacity ..... Grass thru ½"
- Deck Thickness ..... 12 gauge
- Recommended Tractor Horsepower ..... 8 - 20 HP
- Engine ..... 8 HP Briggs and Straton, vertical shaft
- Drive ..... V belt B section, Kevlar construction
- Slip Protection ..... Centrifugal clutch
- Blades ..... 5/16"x3½"cutting edge, reversible
- Blade Tip Speed ..... 16,300 feet per minute
- Wheels ..... 12"x3" 5 rib solid rubber tire
- Leveling ..... Self leveling linkage
- Weight ..... Approximately 285 lbs., unit will be balanced for minimum tongue weight



Reg. Price...$877

DISCOUNT SALE PRICE $750

Compact Bush Hog Lawn-Type
FERTILIZER SPREADER, MODEL SP75
Ground Drive, Pull Behind Lawn Mower, Holds 75 Lbs.

SPECIAL... $259

2615 FLEX WING CUTTER

Three Section Wing Fold, 540 PTO, 15-Foot Cutter That Flexes Up 90° and Down 22°. Economical And Efficient For Use On Larger Acreages. Minimum HP Required - 50. With Hydraulic Folding Lift Cylinders, Optional, Rear Safety Shield, Band Cover

In Stock
Serial No. 1100672

BUSH HOG...Perfect For Pasture Clipping And Shredding, Highway Maintenance And Orchard Cutting...With Wings That Flex 90° Up To 22° Down.

BUSH HOG MODEL 2615 15 FT. WING CUTTER
w/Hyd. Wing Cyl., Rear Band, 6 Laminated Tires, 540 PTO
Reg. Price... $7,80:

LESS 20% = SPECIAL... $6,240
(Larger Sizes Available Up To 20 Ft. Wide)

In Stock: Several Bush Hog 4 Ft. 3 Pt.
SQUEALER ROTARY CUTTERS
$475 Each, While They Last!

BUSH HOG MODEL 3126R
10'6" Pull-Type, Manual Height Control, Rear Band, 2 Laminated Tires, 540 PTO
~~$4,460~~
LESS 20% OFF = $3,568

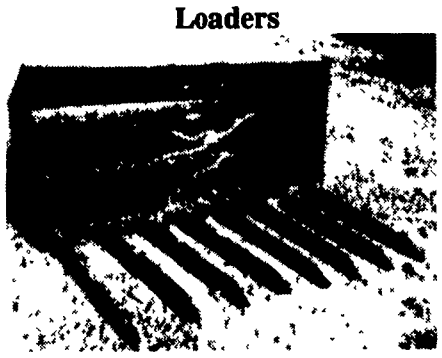
BUSH HOG MODEL 3126 SEMI-MOUNT
w/Hyd. Lift Control
~~$3,539~~
BUY NOW FOR $2,831

Model 3126R Pull-Type
Model 3126 Offset Semi-Mount

WE SELL MANURE FORK ATTACHMENTS For All Popular Make Skid Loaders At DISCOUNT PRICES

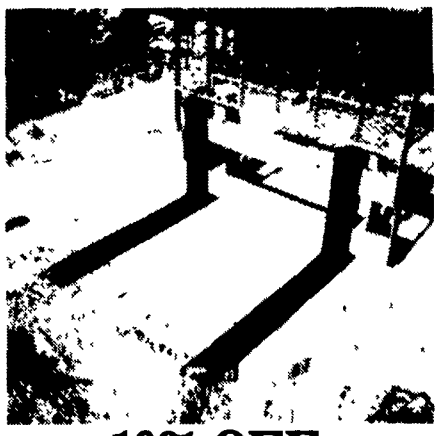
See Us For Your Needs!

New Case Loader MANURE FORK ATTACHMENT For Case 56L-741 & IH 2000 Series Loaders



60" Wide Reg. Price...~~$250~~
DISCOUNT SALE PRICE $149
Also In Stock: 48" Wide Fork For Case 55 Loader, w/Single Dump Cylinder, No. T91632
Reg. Price...~~$130~~
DISCOUNT SALE PRICE $89

WE SELL PALLET FORK ATTACHMENTS For All Popular Make Skid Loaders



10% OFF

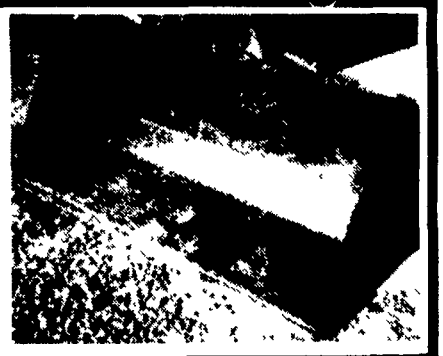
In Stock For Case 1816, 1835 & 1845 Uniloaders

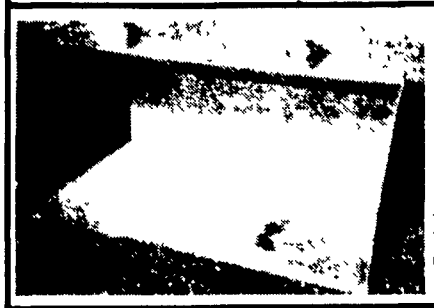
NEW DIRT PLATES FOR MANURE FORK ATTACHMENTS

- 48" Wide $75
- 60" Wide ..... ~~$225~~ $129

New Case Factory Built LOADER BUCKETS
To Fit:
- Case 60, 65, 70, 75, 85, 56, 74, 90, 96 Series
- IH 2000 Series Loaders Red Paint

- 72" Wide $250
- 60" Wide $235





Brand New Case Built
60" UTILITY UNLOADER BUCKETS
For Case 1830 & 1835 Uniloaders
DISCOUNT SALE PRICE $466

BARGAIN SPECIAL

New IMC 3 Pt. 5 Ft. Lawn-Type 3 Blade **ROTARY MOWER**
ONLY $695

New IMC Field-Type 3 Pt. 6 Ft. **ROTARY MOWER**
Only One In Stock
$525

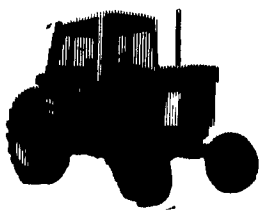
USED IH MODEL 56 CORN PLANTER
Nice, 4 Row, Fiberglass Fert. Boxes, Gandy Insecticide, Double Disc Openers, 28"-40" Rows. Excellent Condition
ONLY $1,295

CASE 2090 TRACTOR
108 H.P., 1250 Hrs., Cab, Air, Heat, 20.8x38 Tires 50%, Power Shift, Excellent Condition
CASH PRICE ONLY $15,500

Check Our Yellow Insert In This Week's Issue Of Lancaster Farming For Many More SPECIAL DISCOUNT SALE ITEMS!

BINKLEY & HURST BROS., INC.
133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville
PH: 717-626-4705
Hours: Mon.-Fri. 7 A.M. - 5 P.M.;
Sat 7 A M - 11 30 A.M Sun Closed - Lord's Day

1 FARM EQUIPMENT



NEW EQUIPMENT
5100 Grain Drill, 16x7
475 Disk Harrow 12 ft.
335 Running Gear 20,000 lbs.
515 5 Furrow Plow, 18"
86 Rake
15 Baler Thrower

NEW TRACTORS
484
284-Turf Tires
244-Turf Tires
254-Turf Tires
1835 B Skid . SOLD

USED TRACTORS
Farmall Cub w/60" mower
Cub Cadet 682 w/44" mower
Cub Cadet 1650 w/50" mower
Int. 364D
MM Model ZB w/blade
Farmall H
284D 161 hrs.
Farmall BN w/mower

USED EQUIPMENT
7' 990 Mower Cond.
Woods model C114 rotary mower

case IH

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

RINGTOWN FARM EQUIPMENT

NEW EQUIPMENT

2094 Case Tractor
With Cab, Nice, Radar Equipped
20.4x38 Rears 11.00x16 Fronts

2094 Case w/cab
234 4WD, auto.
475 disk, 17'5"
16x7 comb. drill
370 disc, 11'6"
720 auto. reset 5 btm.
800 Cyclo planters, 4R
IH 5500 trailing chisel plow 10'
IH 5500 mtd. chisel plow, 9'
IH 5500 mtd. chisel plow, 7'

USED EQUIPMENT

#475 Disc 17' 5"
22" Notch Discs,
Used One Season

IH 1256 Tractor
500 Crawler R/C
666 Farmall G
Farmall H
Farmall C
Farmall SC w/Cults.
Massey GF22 Tractor
154 LoBoy w/Mower
Haines bulk bodies
Massey Harris drill 16x7
Potato planters
Case 230 Baler
Gehl CB 400 Forage Harvester 1 Row Corn Head, Hay Pickup
Iron Age potato planter, 2 row
IH forage blower
Holland transplanter
IH 45 Baler
IH 710 3-btm. auto. trip
IH 4 btm. semi-mtd. plow
Haines Stone Pickers
(2) IH 234 Corn Pickers
NH #352 Mixer
IH 1150 Grinder-Mixer
JD 7000 Corn Planter
IH 456 Corn Planters
Int. #16 Forage Harvester
Lilliston Rotary Mower

Case 680 B Backhoe
Christmas Special!

case IH

New Cash Deals,
Low Rate Financing or
Waiver of Finance

RD 1, Ringtown, PA
717-889-3184
Since 1949

Eckroth Bros. Farm Equipment

case IH

RD 2 Box 24A, New Ringgold, PA 17960
717-943-2131
7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

USED EQUIPMENT

USED COMBINES
Int. 1440 Combine
Int. 715 Diesel w/4 row narrow head, nice
MF 750 w/grain head
Int. 715, late model
1979 Int. 1460 rotary combine w/6 row corn head

USED TRACTORS
MF 1080 D
Int. 856
JD Model B w/Cultivators
IH Hydro 100 w/Cab
Farmall H
Int. 1086
Int. 1066 w/Cab

USED EQUIPMENT
Int. 800-6 row Corn Planter
Int. 710 5 F Auto. Reset Plow
900 Badger Blower
NH #518 Manure Spreader
Ontario Hoe Drill
Int. 2350 Mount-o-matic Loader
13' 3 pt. Chisel Plow
NI 2 Row Wide, Pull Type Picker
Int. #40 Stalk Shredder

NEW GEHL EQUIPMENT
960 Forage Box w/roof
1540 Forage Blower
3510 Skid Loader

USED EQUIPMENT

★ Extra Special Cash Allowance on Most Used Equip. In Stock!

TRACTORS:
AC 8070, 4WD, 3 Remotes, 200+ Hours, like new cond.
IH 584D, Row Crop, New Rubber, Nice Cond. – $8,950
IH Farmall "C"
Farmall Super MTA
IH 806 Diesel, WF, 3 Pt., Turbo – $6,250
Farmall Super C w/Fast Hitch & Cult.
Farmall 400
Int. F12 w/cult.
IH 450 Gas, wide Front – $1,750
IH 404 Gas Low Utility, 3 pt. Hitch, w/72" Mott Mower, Engine Overhauled – $4,950
MF 65 Diesel Utility
MF 35 SOLD . Hitch
IH 240 w/Fast Hitch

TILLAGE:
Athens 11 Ft. Chisel Plow, 3 pt. Hitch, with Ga. Wheels
Brillion 10' Packer Mulcher – $1,150
Brillion Vibra Tine Trailing Field Cult., 16 Ft., Like New
Bush Hog 10' 3 pt Hitch Chisel Plow, Like New!
Pittsburg 11'6" Disk
JD KBA Disk, 9' – $750
JD KBA 12' Disk
JD 1710A 12' Trailing Mulch-Tiller, Like New – $3,950
IH 37, 35 In Various Sizes
IH 540 4-Bottom Semi Mtd. Plow
IH 645 Vibra Chisel, 13½', Trailing
Int. 360 20 ft. Trailing Field Harrow
IH 315 12'4 Packer Mulcher
Chattanooga 11' Packer w/Transport
1-Bot. Trailing Plow
Vicon 10' Power Harrow – Was ~~$2,800~~ – Now $1,500

IH PARTS COMBINES:
IH 315 Hydro & Plat.
IH 315 Gear & Plat.
IH 403 Gear, 4R Wide Hd. & 12 Ft. Plat.
IH 227 Cornhead

PLANTING:
IH 2-Row Fast Hitch
IH 455 4-Row
IH 456 4-Row, Nice Shape!
IH 658 6-Row Narrow Dry Fert.
4 & 6 Row Cyclos, Field Ready!
JD 1240 Plateless, Liq. Fert., 30" Rows w/DEMCO Squeeze Pump – Nice!
JD Van Brunt 13x7
JD 15x7 Drill, DD, Comb.
IH 510, 16x7 Comb. Drill w/2 Grass Seed Boxes
IH Fast Hitch, 2 Row Cult., Like New

HAY & FORAGE:
Int. 56 Blower, Rebuilt
IH No. 51 Forage Wagon
NH 38 Flail Chopper
NH No. 26 Blower
(2) NH No 27 Blowers (Whirl-a-Feed)
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper (Parts)
1014 Hesston Mower Cond
NH 256 Rake w/Dolly Wheels
NH 69 Baler w/o Thrower
IH 420 Baler w/o Thrower
IH 430 Baler w/Thrower-$1,500!
(2) IH No. Bale Throwers
IH 990 Mower Cond., 9 Ft.
5026 Elec. Wheel, 8 ton Gears
IH Direct Cut Head For 15 or 16 Chopper
NI Stalk Shredder, 12'
Sun Master Stalk Shredder, 12 ft.
Woods Model 214 14' Folding Mower—needs work
Woods Model 84 3 pt. Hitch Mower, Like New!
Woods Model 72 trailing Mower, Real Nice!
Int. 120 Balanced Head Mower
(2) Farmbilt 8x18 Bale Wagons, w/8 Ton gears-$1,650 ea

MATERIALS HANDLING:
Front Mtd. Forklift for 20 Series JD Tractor
Farmhand Loader for IH 74 or 84 Series Tractor
MF 711 Skid Loader w/Bucket
IH 2000 Loader, Less Bucket, Mount for IH 275
NH 355 Grinder Mixer, Real Nice!
NI 6"x 59' Transport Auger, PTO Driv SOLD —$650

OUTDOOR POWER EQUIP.
IH 149 w/42" Mower
IH 1250 w/Mower, New Engine
IH 1282 w/42" Mower
Cub Cadet 108 w/Mower
Cub Cadet 106
Cub Cadet 105 w/mower
Model 7016 Simplicity w/42" Mower-Nice Shape!
Cub LoBoy w/Mower Ex. Cond.
Toro Model 58 Professional Reel Mower – $375
JD 210 w/Mower, Nice Shape
AC Big 10 w/Mower
Ford 165 w/Mower-Real Nice
Gravely Model 424, 10 Hp. w/Mower

COMBINES:
715 Diesel Hydro, Air Cond., w/13' Floating Cutter Bar and 744 Cornhead
AC FKS Diesel 4-Row Narrow Cornhead, 13' Platform, Nice Shape! – $17,500 Less 15% Cash Discount
810 13' Cutter Bar, Like New
810 15' Cutter Bar, Like New
IH 430 WN 30" Cornhead
IH 315 Hydro w/12' Platform, Field Ready, w/PU Wheel & Hyd. Lift
IH 227 Cornhead, fits 315, 205 or 203
IH 844 4 Row Wide Cornhead, Real Nice!
IH 863 6-row Cornhead Real Nice!
NI No. 10 Picker, Fair Shape – $500
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

MISCELLANEOUS:
McCurdy 20' Trailing Harrogator – $1,300
SIMMS Cab & Roll Bar Enclosure for 574 Series Tractor – $750
ARPS 3 pt. 78" Snowblower
New Midwest 9' Grain Body For Truck, – $1,350!
Athens 15' Bat Wing Mower (In Stock) – $9,625 (New)
Vicon 281 Mower Cond.-Extra Special Price! (New, Demo.)
Century 500 Gal. Trailing Sprayer
Walsh 300 Gal. Trailing Sprayer
(2) Haney Reels-Model EPF 3423-24RT, 150 Ft. High Pressure 1½" Hose, 12 Volt Motor (Off Fire Truck) – $550 each.

See Us For All Your Equipment Needs

- ★ Butler Livestock Systems
- ★ DeLaval
- ★ Roskamp Roller Mills
- ★ Deutsch-Fahr Tedders
- ★ Vicon Spreaders
- ★ Myers Snow Equipment
- ★ Farm Bilt Hay Wagons
- ★ Sprayer Parts headquarters
- ★ John Blue Sprayers
- ★ FMC Bean
- ★ Brouwer Turf Equip.
- ★ Grasshopper Mowers
- ★ Myers Forage Wagons
- ★ Madison Silos
- ★ Ag Chem Sprayers & Parts
- ★ Northwestern Skid Loaders
- ★ Woods Mowers, Blades & Backhoes
- ★ Trailblazer Foam Markers
- ★ Cub Cadet Lawn Equip.

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545

case IH

Ph: (215) 367-2169
Daily 7-5:30; Sat. 7-3

case IH

A Fresh Team For Today's Farmer!

NEW TRACTORS
Case-IH 2096 W/Cab

NEW TILLAGE EQUIPMENT
IH 4500 12' V.S. Field Cult.
IH 5509 3 pt. Chisel Plow
IH 5511 3 pt. Chisel Plow
IH 475 12' Disc Harrow

NEW PLANTING & SEEDING EQUIPMENT
IH 800 4R Plate Planter
IH 800 4R Air Planter
IH 5100 16x7 Plain
IH 5100 18x7 Plain

NEW MATERIAL HANDLING
IH 540 Spreader
IH 560 Spreader

NEW HAY & FORAGE EQUIPMENT
IH 435 Baler w/ Thro
IH 86 hay Rake
IH 1190 Mower Cond. 9'
IH 3450 Round Baler

USED TRACTORS & EQUIPMENT

IH 1086 w/Cab	$20,950	Cultipacker 9'	$300
IH 986 w/Cab & Duals	$19,500	McCon. 16' Trans. harrow	$1750
IH 684, very good	$8500	IH 531 3F 14" 3 pt. Plow	$475
IH F-706D, tri. frt. 2 pt.	$6950	IH 540 4F 16" Plow	$1150
IH F-400 G	$2250	IH 550 5F 16" Plow	$1250
IH Super M w/loader	$1850	IH 55 1? 2R 3 pt. Chisel	$875
IH F-460D w/2 pt.	$2350	IH 710 5F 16" Plow w/Cyl.	$2250
Dual Whl. attach. 18.4x38 w/tires	$750	E-Z Flow 12' Fert. & Lime Spreader	$650
Dual Whl. attach. 18.4x34 rims	$650	IH 510 SD 16x7 Drill	$3500
IH 843 4R Narr. Cornhd. (coming in)		JD FB 13x7SD Drill	$850
IH 810 13' Grain Hd. (coming in)		IH MF SD 13x7 Drill	$300
Oliver 18 Pull Combine	$650	AC 4R No-Til Planter	$1650
NI 323 1R Corn Picker	$2650	IH 56 4R Planter	$950
IH 46 Baler w/Thro	$1250	IH 400 4R Planter	$950
Gehl CB 600 Forage Harvester w/hds.	$3850	IH 400 6R Planter w/Insect.	$1750
IH 61 Forage Box w/roof	$1150	Brady 650 Grinder Mixer	$1150
Pitts. 12' disc harrow	$1950		

NEW GRAVITY BEDS & RUNNING GEARS
E-Z Trail 8 ton running gear w/tires & QK-hitch $900
E-Z Flow 170 bu. gravity bed .. $600

MIFFLINBURG FARM SUPPLY, INC.

case IH

Route 45 East, Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner

USED EQUIPMENT

TRACTORS
JD 2940, 3020, 4000 & 4020
JD 4240 SGB, QR
JD 3010 w/148 Loader
Case 700
Farmall 460 w/Loader
JD 4240 P.S., Low Hrs., SGB Loaded
Set of 34" Duals

SPREADERS
NH 365 Tank Spreader
NH 791
JD 45 3 Pt. Blade
NH 510

LOADERS
JD 260 Loader
JD 148 Loader

HAY & FORAGE
JD 510 Round Baler, Excel.
NH 282 w/Thrower
NH 268 w/Thrower
IH 47 & JD 24T Balers
JD 38 & 35 Harvesters
NH 880 Harvester w/Grass & 2 Row Corn Head
(2) JD 216 Forage Wagons
JD 65 Blower
JD 1209 Mower-Conditioner

TILLAGE
JD 3 BT 14" Plow
IH 8 ft. Disk
JD KBA 9 Ft. Disk
JD JBA 7 Ft. Disk
Oliver 4 BT 16" Plow
Case 3 BT
JD 1600 8 Tooth Chisel Plow

PLANTERS
JD 1440 No-Till
JD 1300
JD 494 A
IH 13 Disk Grain Drill

JD 300 Husker Just Arrived, Extra Clean
NI 311 2 Row Pull Picker
NI 2 Row Mounted Picker
(2) Gravity Bin Wagons
Walsh Sprayer

Lawn & Garden Equipment

CLUGSTON FARM EQUIPMENT
HCR80--Box 22
Needmore, Pa. 17238
717/573-2250
John Deere Sales & Service

JOHN DEERE bobcat

BACKHOE LOADERS

Ford 555 Tag 5057, 1978 Rops, Cab, Heater, Lights, 18" Backhoe Bucket $20,000
John Deere 310A, 1978, Cab, Tag 1936 ..... $20,000
Ford 4500, 1975, Cab, Tag 2485 ..... $11,000
IH 270A, 1979, ROPS, Canopy, Needs Trans. Work, As Is $9,500
IH 270A Tag 5072, 1979, ROPS, Cab, Excellent Condition $14,000

CRAWLERS

JD 350C Wide Track LGP, New Undercarriage, Excell. Cond. $26,000
JD 350B Crawler Dozer, 6 Way Blade, Rops Canopy, Tag 1716, Completely Rebuilt $18,000
JD 555 Crawler Loader, Rops Canopy, Tag 5064 ..... $25,000

SKID STEER LOADERS

Bobcat 610, 1977, Reconditioned, Standard Tires $4,750
Bobcat 642, 1984, 600 Hours Tag 7040 ..... $9,500
Bobcat 643, 1983, 900 Hours $9,500
Bobcat 843, Late Models, 6 To Choose From, Low Hours ..... Call For Price

Call JIM NIXON for Prices, Information

LCL Construction Equipment
2590 Unionville Pike
Hatfield, PA 19440
(215) 362-2510 (215) 242-5757

---

1 FARM EQUIPMENT

Larry's Tool Outlet
Up to 80% savings Quality name brand tools featuring Easco/KD Tools
Open Tues 11 AM 5 PM
Wed Sat 11 AM-8 PM
431 Harrisburg Ave
717-394-1400 or
392-3392
Also buy and sell used tools

FOR SALE SCARE CANNONS
If you have a bird problem. Call me.
301-687-0608

COLLECTOR'S ITEM

Massey Ferguson TO35 #157226, 1955, 7/10 of an hour on tractor. Tractor in garage on blocks almost 30 years. Will consider offers over $9,500.

Call Charlie (914) 361-4121

OTHER EQUIPMENT AVAILABLE

NH 256 Rake; NH 477 Haybine; 5' FMC 3 Pt. Rotary Cutter, JD 24T Baler & Thrower; Kicker Wagon, Wood; Hesston 1400 Liq. Manure Spreader, Self Loading & Self Unloading.

SCHWOPE MACHINERY INC.
Rt. 1714 North, R.D. 3, Box 120A
Middletown, N.Y. 10940
(914) 361-4121

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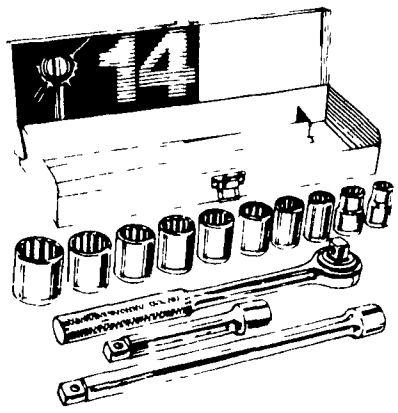
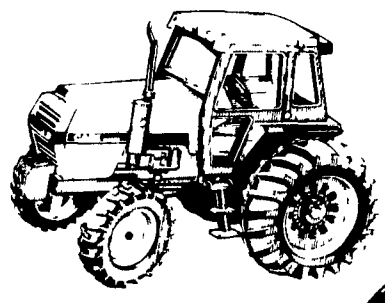
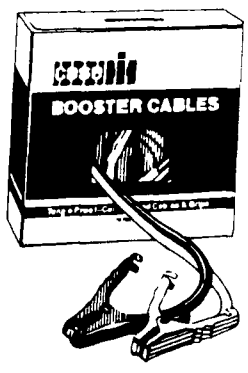
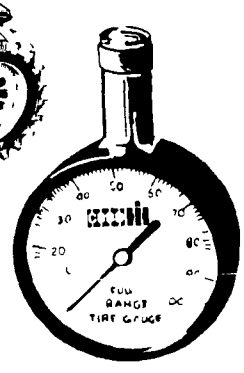
case IH PARTS VALUE OF THE MONTH

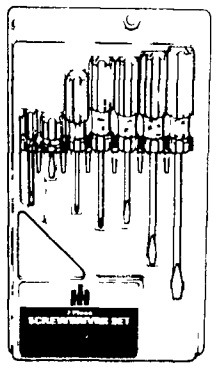
Bell Ringer Specials

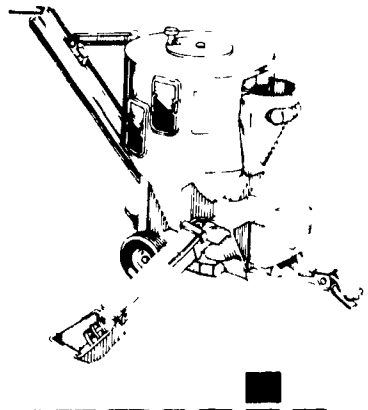












Ideal gifts for everyone!

ERB & HENRY EQUIP., INC.

case IH

New Berlinville, PA. 19545
Ph: (215) 367-2169
Daily 7-5:30; Sat. 7-3

A Distributor of CENTRAL TRACTOR FARM & FAMILY CENTER

SHARTLESVILLE FARM SERVICE

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

NEW SPECIALS

10 ft. Brillion Seeder $2995.00

NH L445 (DEMO) Skid Loader $12,995

COMING IN

NI 323 1-Row Picker
JD 3940 Forage Harvester w/Pickup and Cornhead

USED TRACTORS

A.C. 6080 Fully Weighted
JD 620 Tractor

UNI EQUIPMENT

709 Uni Tractor w/Rear Wheel Assist, Fully Wgted
702 (Gas) Uni Tractor
760 Uni Chopper
762 Chopper Head (2 Row)
724 Stripper Head (3 Row Wide)
729 A Sheller
766 Pickup Head
844 N Cornhead
813 C SOLD lead
717 Combine

MANURE SPREADERS

NI 213 Manure Spreader
NI 245 Manure Spreader w/End Gate
NI 218 Spreader w/Hyd. Endgate
NI 206 Ground Drive Spreader
Starline 930 L.H. Tank Spreader

COMBINES & CORNHEADS

1976 KKS Gleaner Combine w/10 ft. Hdr.
1974 300 M.F. Combine w/10 ft.
AC 238 (2 Row) Corn Head
M.F. Qt. 24 Corn Head
MF 322 Corn Head (3 Row Wide)

HAY EQUIPMENT & FORAGE

NH 1495 SOLD Planetary SP Haybine
NH 495 (12 ft.) Haybine
NH 489 Haybine
NH SOLD vbine (7 Ft.)
NH 4/ SOLD ine
NH 488 F SOLD e
JD 1219 Haybine
NH 469 Haybine
NH 1495 Hydrostat with Air
NH 320 Baler w/No. 70 Thrower
NH 320 B SOLD #75 Thrower
NH 1010 Automatic Bale Wagon
NH 770 R-2 Chopper Head (2 Row Wide)
NH 880 N-2 Corn Head
890A, 890W, 890-N-3 (3 Row Narrow Chopper Head)
NH Super 23 Forage Blower
NH 27 Forage Blower
NH 717 Super Forage Chopper
NH 890 Forage Harvester
Int. 650 Forage Harvester
Hesston PT10 Haybine
Hesston 1010 Hydroswing Haybine
Int. 430 Baler
Fahr 17 Ft. Hay Tedder
MF #12 Baler w/Thrower
717W Pickup Head
741 1 Row Chopper Head

MISC.

NH 352 Grinder Mixer
450 Art-Way Grinder Mixer
731 Bobcat Skid Loader

DEUTZ ALLIS · NEW IDEA · SPERRY NEW HOLLAND

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

TELEX 316290

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

1 MILE FROM LEBANON VALLEY AIRPORT

CORNHEADS

AC 2 Row for A, E, K, E III, F
AC 3 Row for A, K
AC 4 Row for G, C, C II, L, M, F
AC 6 Row for C, C II
JD 2 Row for 40, 45, 55, 95, 3300, 4400
JD 3 Row for 45, 55, 95, 3300, 4400
JD 4 Row for 105, 4400, 6600, 7700, Etc
JD 6 Row for 6600, 7700, Etc
IH 2 Row for 91, 93, 105, 203, 205, 315, 303, 403, 615, 715
IH 3 Row for 203, 205, 315, 403, 715, QT
IH 4 Row for 403, 715, 815, 915
IH 6 Row for 815, 915 - All QT
MF 2 Row for 300, 410
MF 3 Row for 300, 410, 510
MF 4 Row for 410, 510, 750, 760, Etc.
MF 6 Row for QT
Oliver 2 Row for 25, 525
Oliver 3 Row for 525, 535, All QT
Oliver 4 Row for 535, 545, 555, All QT
Case 2 Row for 600, 660
Case 3 Row for 960, 1160
Case 4 Row for 1160
NH 2 Row for 975
NH 4 Row for 975, 985, All QT

BALERS

NH 315 w/Thrower
Ford 530
Case 220
IH 37
Extra Throwers
JD 214 Wire Tie

ROLLBARS & CABS

IH 2 Post w/Roof
IH 806 Cab
Case 1070 Cab
AC 7000 Rollbar
JD 4020 Cab
DB 1200 Cab
(30) Combine Cabs
Case 990 Cab
AC 7030-7050-Cab
MM G1000 Vista Cab
Ford 5000 Rollbar
Ford 4000 Cab
Case 930 Cab
Ford 9600 Cab
Ford 6600 Cab
JD 4320 Cab

SHELLERS & GRINDERS

MM 1200 Sheller
NI 315 Sheller Attach
NI 314 Sheller Attach.
NI Super Sheller Attach
NI 317 Grinder Attach
NI 318 Grinder Attach
IH 234 Sheller Attach
JD 43 Pull Sheller
JD 43 3 pt. Sheller

HAYBINES

NH 478-7'
Hesston 1070-7'
JD 1209-9'

PLOWS

AC 2x & 3xSC
JD (3 pts) - 2x-3x
JD (Semi) - 4x-5x-6x-7x
JD (pull) - 2x-4x Reset
JD 1x Reset 2500 Attach
Oliver (3 pts) 2x-3x
Oliver (pull) 3x
White (semi, Reset) 4x-5x
Ih 1x (FH & MTD)
IH 2x, 1 pt, FH & 3 pt
IH 3x FH & 3 pt
IH 4x pull
IH 4x Reset (On Land)
IH 550 5x (Semi)
IH 710 5x (Semi)
IH 710 6x (Semi)
Ford 1x & 2x (3 pts)
MF 880 5x (Semi)
MF 2x Rollover
Oliver 4x3 pt
JD 5x Rollover
Oliver 3x Rollover
JD 3X Rollover
IH 3X Rollover
IH 4X Rollover

CORNPICKERS

NI 324 w/12 Roll Bed
NI 324 w/Super Sheller
NI 323-Demo
(3) Ni 323 - Used
NI 10 1X Pull

LOADERS

Loader Off D.B. 990
Loader Off AC D19
Ford Off 8N
Freeman Off 880 Brown
AC Off 1600
JD 36A Off 1020
Loader Off JD 420
Souders Loaders
Case for 970 & Larger
IH for 300 Utility
IH 2250 Loader
IH 2050 Loader
IH 2000 Loader
IH 3000 Loader
Loader Off AC 190
Loader Off Ford 8000

DISC'S

IH 8' 10'-11'-13' Transports
JD Plowing Disc-10' & 12'
JD BW-14'
KK 6' 3 pt
Kewanee-13' Rock Flex
IH 480 w/Wings-24'
IH Cub Disc
JD 10' RWA Transport
IH 7' Pull Type

HARVESTERS

Fox Super 1000
JD 38
MF 260
NI 705 Uni System
NH 718
IH 555
NH Super 717
JD 34

SICKLE MOWERS

JD 9 3 pt
Ford 3 pt
IH Cub
IH FH
Sitrex 3 pt dynabalance

CULTIVATORS

AC D14-D15 2x
Ford 2x
JD 2x (H & 420)
JD RG6
JD RM6
JD 6x Frt Mtd
IH Cub & Super A, A
IH C-H-M 2x Frt
IH 461 Ftr. Mtd 4x
IH 4x FH
IH 153 4x 3 pt
1x3 pt. - New
Westgo 6x 3 pt

COMBINE SALE EXTRAVAGANZA

All Combines Have Cabs

- JD 3300 D-R Screen-QT-Base $7420
- JD 6600D-R Screen-Hydro-QT-Base $8920
- IH 615G-R Screen-QT-Base $5940
- White 7300 G-QT-Base $5870
- Gleaner K-R Screen-QT-Base $8610
- MF 300 G-QT-Base $4860
- MF 750D-QT-Base $9340
- JD 45 SB-Base $2810
- Case 600-Base $2490

CORN & GRAIN HEADS AVAILABLE

HARVESTER HEAD SPECIALISTS

(75 In Stock)

1X Corn for NH, Fox
2X Wide for NH, Fox, JD, IH
2X Narrow for NH, Fox, JD, IH
3X Narrow for NH, Fox, JD, IH, MF, Badger
1X Snapper for NH
2X Snapper for NH, Fox, JD
3X Snapper For Fox, JD
Pickup's for NH, JD, IH
Cutterbar's for NH, Fox, JD, IH

LOTS OF EXTRA COMBINE GRAINHEADS TO FIT MOST MACHINES

TRUCKS

1947 Ford Fire Truck $2950
GMC w/Grain Body $1500
1975 Ford 8000 TT $8750

FIELD CULTIVATORS

JD 12' 3 pt
JD 18' 3 pt
Glencoe 13' 3 pt

MISC. EQUIP.

JD 6500 Blower
24' Cardinal Elevator
Spike Harrow
Corn Drags
IH Cub & 140 Attachments
Hesston 10W Mower
8' FH Blade
10' & 12' Lime Drills
IH Side Dressers
8' to 12' Spring Tooth Harrows
Tandem Axle Fert Spreader
Hesston 30 Mover
JD Tedder
(5) Bale Wagons
(2) Hesston 10 Stackers
NH 32' Elevator
Danuser PHD
Fox 660 Blower
JD 8200 Drill
IH 510 Drill
IH 56 Blower

CULTIPACKERS

9'-12'
14' w/Transport

TRANSPLANTERS

2 Row - Pull & 3 pt
1 Row - 3 pt

ROTARY MOWERS

JD 5' Pull
Modern 7' Pull
Toro 3 Gang Reel (SP)
Ford 7' Pull
Woods C80 Pulltype
Woods 6' Offset, 3 pt
FMC 13' Pull Type

DUALS

18 4x34 MF Axle
18 4x34 Snap On
20.8x38 Axle
18.4x34 Axle
18 4x38 Snap On
18.4x38 Ford Axle

FORAGE WAGONS

JD 214 | Gehl
Fox 625 | Gehl 940

NEW IDEA UNI SYSTEM ATTACHMENTS

731 4x40 Cornheads
743N Cornhead
766 Pickup Head
Extra Grain Heads
728 4x30 Corn Head
760 Harvester
3x30 Harvester Head
705 Diesel Tractor
2x40 Harvester Head
QT Throat Assy
710 Combine

HAY RAKES

Sitrex 4 Wheel-3 pt
JD 660

SPREADERS

NH Tandem Axle-250 Bu
NI 12A - Like New
Betterbilt 2100 Liquid Spreader
JD R
NI 14-Like New

POTATO EQUIP.

Iron Age 2X Planter
1 Row Planter
2 Row Digger
1 Row Digger

CORNPLANTERS

IH 2X Fast Hitch
Ford 6X Pull
JD 246 2x3 Pt
MF 2x 3 Pt.-New
IH 56 - 2 Row
IH 449 4x Pull
JD 290 2x Pull
IH 400 Air

CHISEL PLOWS

JD 10' Pull
Landoll 10' Pull
5 Tooth V Chisel (3 pt)
Kent 7' Soilsaver
Lely 12' Roterra
5', 8', 10' 3 pt
1 tooth 3 pt subsoiler

CULTIMULCHERS

Brillion 12'
JD 930 - 12' 3 pt.

NEW EQUIPMENT SPECIALS

ROTARY MOWERS

40" 3 pt Heavy Duty $495
4' 3 pt Standard Duty $395
4' 3 pt Heavy Duty $495
5' 3 pt Standard Duty $395
5' 3 pt Heavy Duty $495
6' 3 pt Heavy Duty $695
7' 3 pt Heavy Duty $1395
4' pull Heavy Duty $595
5' pull Heavy Duty $695
6' pull Heavy Duty $895
7' pull Heavy Duty $1495
4' 3 pt Estate $1195
5' 3 pt Estate $1295
6' 3 pt Estate $1495

SICKLE BAR MOWERS

6' 3 pt pitmanless $1495

SCRAPER BLADES

6' 3 pt Heavy Duty $175
7' 3 pt Heavy Duty $195
8' 3 pt Monster Duty $695

CEMENT MIXERS

3 pt 9 cu ft. $495
3 pt 12 cu ft. $550
3 pt 20 cu ft $695

STONE RAKES

6' 3 pt. $495
7' 3 pt. $550
8' 3 pt. $595

HAY TEDDERS

2 Wheel Pull PTO $895
2 Wheel 3 pt PTO $895
4 Wheel Pull PTO $1595
4 Wheel 3 pt Ground $465

HAY RAKES

4 wheel 3 pt. $465

WOODSAWS

3 pt PTO 30" $379

CULTIVATORS

1 row 3 pt $95

BOOM POLES

Standard 3 pt $79
H.D. 3 pt $179

POTATO PLOWS

1 row 3 pt $95

ROTOVATORS

50" 3 pt Standard Duty $875
60" 3 pt Standard Duty $975
60" 3 pt Heavy Duty $1275
66" 3 pt Heavy Duty $1375
72" 3 pt Heavy Duty $1775
74" 3 pt Standard Duty $1475
82" 3 pt Heavy Duty $1975

LOADERS

3 pt snow & dirt bucket $695

SEEDERS

PA 150 3 pt $275
PA 250 3 pt $285
PA 300 3 pt $295
PA 400 3 pt $395
PA 500 3 pt $450

LANDSCAPE BOXES

3 pt 5'6" $495
3 pt 6' $495
3 pt 7' $595

TRAILERS

1985 4 ton 14' $1595
1985 4 ton 16' $1695

POST HOLE DIGGER

3 pt 6", 9", 12", HD $495

CHISEL PLOWS

3 pt 9 tooth spring loaded $595

DIRT SCOOPS

3 pt Reversible $395

WINCHES

3 pt 6600 lb $1495

DISC HARROW

5'6" 3 pt 18" Combo $495
6'6" 3 pt 18" Combo $495

SUBSOILERS

3 pt 1 shank HD $369

BALE MOVERS

3 pt 3 tine HD $379

FORKLIFTS

3 pt tilt cyl HD $2495

WAGONS

6 ton $450
8 ton loaded $550
10 ton loaded $625

BACKHOE BUCKETS

12" $495
18" $595
24" $695
36" $895
Add $200 For H.D

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067
PHONE: 717-866-2135
TELEX 316290
NIGHTS, PHONE: 717-866-7147 or 717-273-9089

JOHN DEERE TRACTORS

A w/Widefront	$1500
730 Gas-Try	$2900
3010 Gas-Try	$2900
R-New Paint	$2900
730D-Try-3 pt.-Direct Ele.	$3200
420-WF-3 pt.	$3450
2020-Poor	$3850
730 Diesel-Try-3 pt.	$3900
435 Diesel-WF-3 pt.	$3950
730 Diesel-WF-3 pt.	$4500
JD 301-WF-3 pt.-1971	$4850
JD 2010 w/Loader	$4900
4020D-Diff.-1967-As Is	$5400
3020 Gas-Console-WF	$5900
3020 Diesel-WF	$5900
3020 Diesel-WF-3 pt.-Rollbar-Syncro	$5900
JD 301 w/Mower-Clean	$5900
5020	$5900
2520-D-WF	$6900
3020 Diesel-WF-3 pt.-Side Console	$6900
4020-Very Nice	$7500
3020 D-SC-PS-DIFF, WF	$7900
5020-Duals	$7900
5020-Cab	$7900
4230-4 WD-Cab-Quad-Excellent	$15,500

MASSEY FERGUSON TRACTORS

30-WF-3 pt.	$2450
35 Diesel-New Paint-Nice	$2900
35 Gas-WF-3 pt.	$3450
165-Poor	$3600
65 Utility Diesel-Rebuilt Multi Power	$4650
165 Diesel-Nice	$5450
1080D-1969	$5900
1130-New Paint	$5900
150-Sharp	$5950
1150-Cab-Duals-Sharp	$8900
40B w/Idr.	$8900

FARMALL TRACTORS

W4	$950
H-Fenders-Clean	$1500
Cub-Hyd-Snow Plow-SB Mower	$1850
460-Gas-Try	$1900
Super A w/Cult.	$2200
(2) 560 Gas Each	$2400
Super C w/Cult-Sharp-Sharp	$2650
404	$2800
404 w/Mower	$2900
Super AV w/Cultivator- New Paint	$2900
560-D-WF-FH	$3500
350 Utility w/Rotary Mower	$3600
460 w/Loader	$3900
140 w/Woods Rotary Mower	$3950
560D-Clean-Wide Front-FH	$4500
966	$4900
826	$4900
374-Cab-Clean	$4950
100 Hydro-WF-3 pt.	$5400
424 w/Idr.	$5900
544 w/Ind. Rotary Mower	$5900
574-Cab-1975-4300 Hours-Nice	$5900
656D-Hydro-Clean	$6500
574-Cab-1977-Nice	$6500
966-WF-3 Pt.	$6500
574-Cab	$6700
756-D-WF-Nice	$6900
784-Cab-3500 Hours-1978	$6900
684-Cab-1980-Nice-2300 Hrs.	$7900
584 Diesel-1980-1100 Hours	$8900
784-4 WD-Cab-Nice-1979-2700 Hrs.	$9950

OLIVER & WHITE TRACTORS

1800	$2600
Super 55	$2900
1265	$3500
1650 Gas-New Tires	$4500
1950T	$4900
1800-Cab-Nice	$4950
1850 Diesel	$5900
4-180 Duals, Cab, 3 pt. PTO-1977 Air-1800 Hours	$14,900

IMT, LONG & OTHER TRACTORS

Long 460-1978-As Is	$2500
Kubota B7100 w/Idr.-4WD	$480C
Kubota B7000-4WD-Rotovator	$5400
Kubota L185-4WD-Loader	$5950
(2) Long 610-Hi-Clear	$6900
IMT 539-New	$6995
360 4 WD-New-Was $13,690	$9873
460 4 WD-New-Was $15,373	$11,119

CASE TRACTORS

350 w/Loader	$2850
930 Diesel	$2900
1070 w/Cab-As Is	$4500
1070-WF-P.Shift	$4500
680 w/Idr.	$4900
2670-Cab-Duals-3 pt.-PTO	$9900

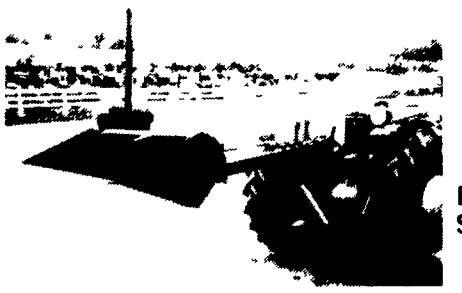
FORD TRACTORS

Major	$1900
6000D-Wide Front	$2000
800 w/Idr.	$3900
8000	$5800
3000	$5950
2000 w/Mower-CLEAN	$6500
8000D-Weights-38" Rubber	$6500
(2) 6600-Cab-1977-Dual Power Each	$6900
6600-Cab-1977	$6900
(2) 3550 w/Idr. Choice	$7900
8400 w/Idr.	$7900
6600D-Flat Deck-1976	$7900
4600D-1981	$7900
8000D-Cab-Duals-Wts.	$7900

ALLIS CHALMERS TRACTORS

D19 Diesel-has Loader	$2850
185	$4900
190 Diesel w/Loader	$4900
7000-As Is-Cab.	$4900
7050-Cab-Poor.	$4900
190 XT Series 3-Cab-Nice	$6900
200-No Cab-Nice	$6900
220-Very Nice	$6900
185-Wts.-Very Nice	$8500
185 Cab-Air-1978-2200 Hours	$9900

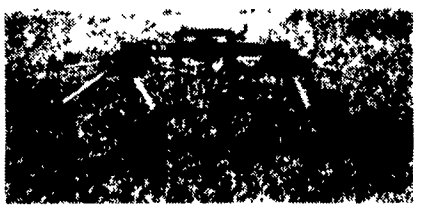
SITREX 3 PT. WOOD SAWS
$~~450~~
Order Now For December Pickup Only
$379



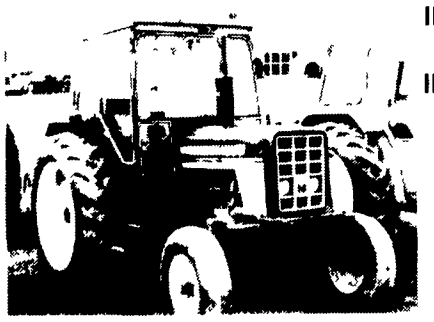
New 3 Pt. Loader w/ Snow or Dirt Bucket ONLY $695

IH 684 1980, 2300 Hrs., TA, Clean $7,900

SITREX P.T.O. TEDDERS
SPECIAL EARLY ORDER For 2-Wheel Pulls or 3 Pt. For 1986 April Shipment
$895



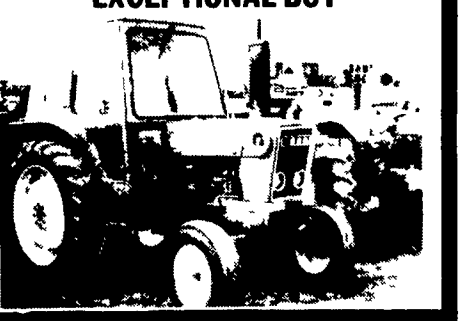
$100 Down Limited Time Offer
4 Wheel Pull — On Stock ~~$1795~~
3 ONLY REDUCED FOR CLEARANCE $1595



IH 574 Cab 1975 4300 Hrs.-Nice $6,500
IH 574 Cab 1977 3400 Hrs.-Nice $6,900

Ford 6600-1977's Choose From 3 With Cabs (2) Have Dual Power CHOICE $6,900

EXCEPTIONAL BUY



CONSTRUCTION EQUIPMENT

NEW 1985 TRAILERS ON SPECIAL
• 2 Axle, 4 Ton, 14 Ft — $1,595

RUBBER TIRED LOADERS

Hough H25	$2500
Little Dipper	$2900
Michigan 55	$3900
Hough 30R	$5900
Trojan Diesel	$5900
Case W9D	$6900
Michigan 55 GM	$8900
Terex 72/31 1972	$16 500
Case W26B	$24 500
Ford A62	$24 500
Ford A64 1978	$26 500
Cat 920-1978	$29 500

DOZERS

Case 310	$4850
Case 750	$4900
IH TD6-62 Series	$5400
JD 350B	$9800
JD 450	$9800
Case 350 6 Way	$9800
Case 350B 6 Way-1979	$15 900

FORKLIFTS

4000 lb , Solid Tires Side Shift	$1500
Yale 4000	$2500
MF 205-RT	$4900
Erickson 5000 lb -RT	$4900
Clark 8000 lb -RT	$5900
Hyster 10 Ton	$9900
IH 4500	$12 500
Sanderson SB70	$18 500

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1973 5 Ton	$1250
1985 2X 4 Ton	$1595
Used 9 Ton	$2500
1977 12 Ton	$3800
1985 3X 9 Ton	$4500
24 Gooseneck	$4900
15 Ton Lowboy	$5500
1986 12 Ton	$6800
1978 25 Ton Fold Gooseneck	$19 500

BACKHOES

Ford 2000	$3900
Linkbelt LS52	$4500
IH 3616-As Is	$5850
IH 3514-As Is	$5850
IH 2400	$8900
Long 5 in 1	$9500
Ford 4500 Cab	$10 750
Case 580B	$11 900
Case 580B	$12 500
Ford 5550 ROPS	$12 800
JD 410, Cab	$16 750
Case 580F 4WD	$18,500
JD 310A	$19 500
JD 410 Cab 1980 500 Hrs	$23 750

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Ford Log Hog	$3725
Athey As Is	$5900
Franklin 130B	$5900
IH S7C	$7500
JD 440C 1978	$19 800
JD 640 w/Grapple	$19 900
JD 640	$24 900

BACKHOE ATTACHMENTS

JD Case-AC Long 3 pt
McConnell 3 pt

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(30) Loader Buckets	From $100
(30) Set Forklift Forks	From $300
Pull Type Grader	$895
New 3 pt Winch	$1495
JD 350 Winch Attach	$1850
Huber Maintainer	$1900
Case 580 w/Knuckle Boom Loader	$4500
AC D Grader	$5900
AC 700 w/Log Loader	$9500
Ditch Witch R65 w/Hoe	$9500

SKID STEER LOADERS

Gehl As Is	$1500
IH 4120	$3450
Case 1740D	$5800

CRAWLER LOADERS

Oliver OC3	$2500
AC H3 w/Ripper	$5900
IH 500C	$6900
JD 350B	$9750
Cat 951A	$10 500
Case 450 w/Cab 4 in 1	$13 500
Case 450 w/Cab 4 in 1 Hoe	$15 500
Cat 951	$15 500
Cat 931 Cab	$17 500
Cat 941 w/4 in 1 bkt	$21 700
Case 850B 4 in 1 Ripper-Cab	$26 500

TRACTORS WITH LOADERS

Case 350	$2850
AC D19	$2850
Ford 800	$3900
IH 460	$3900
Kubota B7100-4WD	$4800
Case 680	$4900
AC 190	$4900
JD 2010	$4900
Kubota L185 4WD	$5950
IH 424	$5900
(2) Ford 3550 Each	$7900
Ford 8400	$7900
MF 40B	$8900

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High Capacity, Smooth Running

SQUARE BALERS

- Complete With Hyd Throwers or Bale Chute, Balanced Plunger Shaft, 14"x18" Chamber Size

★ SP450 - 87 Strokes/Min.

★ SP460 - 102 Strokes/Min.

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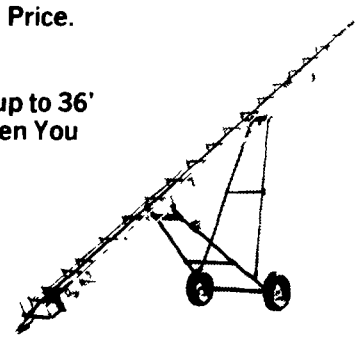
★ Get A Hyd. Bale Thrower At ½ Price.

OR

★ Get A Portable Bale Elevator (up to 36' Long) At No Additional Cost When You Purchase A Square Baler.



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Case 770 Tractor	$3,200
JD 7700 Combine Turbo Hydrostatic	$16,500
New Holland 490 Haybine	$1,200
New Holland 1049 Bale Wagon	$16,500
Kuhn Disc Mower	$1,900
JD 346 Baler 1980	$2,200
JD 347 Baler 1983	$5,200
JD 347 Baler 1985	$8,500
NH 320 Baler 1983	$5,500
IH 404 Tractor	$3,800
(5) 8 Ton Wagons w/16' Bed 1985, @ $850 ea.	$4,250
Haybuster 107 No Till Drill (New)	$7,800
Haybuster 1068 Drill	$2,350
Rhino F90 B 25' Hyd. Disk	$5,500
Krause 3121 22' Landsman (New)	$16,200
6500 Ft. 14' . Ga. American Made Bale Wire	$32/roll
JD 215 Flex Platform (Black reel)	$3,500
Kuhn GRS25 Tedder Rake	$2,250
NI 701 Uni Tractor	$1,950
NI Uni Sheller, Model 729	$125
30'6" Snoco Auger (New)	$300
IH 5 Bottom Plow	$950
Brillion Plow Packer w/Transport Wheel	$300
IH 12' Rotary Hoe	$75

Mud Hog 4 WD Attachment For JD 7700 or 6600 Combine

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QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

JD 4440 Cab, Air, Quad, 1300 hrs., excellent
JD 4240 Dsl., Cab & Air, 1895 hrs., 18.4x38 Tires, very nice
JD 2940 Dsl. 1700 hrs., excellent
JD 4630 Cab, Air, Quad, 1977 Model, very nice
JD 4430 Dsl., Cab, Air, Quad, 1977 Model 2200 hrs.
JD 4430 Dsl., Cab & Air, QR 1974
JD 4320 Dsl. w/cab, 3300 hrs., very nice
JD 4230 dsl., Power Shift Cab & Air, 1977 Model
JD 4030 Dsl., WF, Sound Guard Body
JD 4030 Gas w/Cab, WF
JD 4020, WF, year Rd. cab, sharp
JD 3020 Dsl., Power Shift, WF
JD 3020 Tricycle, good picker tractor
JD 2440 Dsl., Independent PTO, dual hydraulic
JD 2640 Dsl., Hi/Lo Independent PTO 38 & Rubber
JD 2630 Dsl , Independent PTO, very nice
JD 2240 Dsl., nice
JD 1020 SOLD w/3 pt.
JD 1050 Dsl. 850 hrs., like new
IH 966 Dsl., WF, 2700 Hrs.
IH 966 Dsl. w/Cab, 1800 hrs., very good
IH 986 Cab & Air, 18x38 Rubber, 2100 Hrs.
IH 1086 Dsl. Cab & Air, 1600 hrs., very nice
IH 886 Dsl., Cab, Air, very nice
IH 886 Dsl., 4 Post Canopy, new TA, very nice
IH 856 Dsl., WF, 38" Rubber
IH 786 Dsl., WF, 1800 hrs.
IH 826 Dsl., WF
IH 1066 Dsl Tractor, Black Stripe Fender
IH 766 Dsl Fender Tractor, 1200 hrs., excellent condition
IH 766 Dsl. w/BS, Roll Guard w/Canapy
IH 756 Dsl., WF, 3 pt., 38" Rubber
IH 706 German Diesel, row crop tractor, SOLD 2700 hrs., nice
IH 666 Dsl. Tractor, WF, 3 pt., very nice
IH 666 Gas, WF, Very Good
Ford 4600 SU tractor w/loader
Ford 3400 Gas Loader Tractor w/3 pt., 1800 hrs.
Farmall 706 Dsl., WF, nice
Oliver 1750 SOLD r, WF, 3SP
Oliver 1755 dsl., WF, 2100 hrs., very good
MF 165 Dsl. w/Quick Tach Loader
IH Super A w/Rotary Mower and Loader
Ferguson 35 Gas, 1100 original hrs.

CORN PLANTERS

JD 7000, 4R, Cons., Dry Fert. & Insect.
JD 7000, 4RW No-Til Coulter, Dry Fert. & Insect.
JD 7000, 4RW Dry Fert. & Insect.
JD 1240, 4R Plate and Plateless Dry Fert.
IH 56, 4R Dry or Liquid Fert., excellent condition
IH 400 Air, 4R, Dry Fert. & Insect.

PLOWS

IH 720, 6x18 Spring Reset On Land Plow
IH 720, 6x18 Toggle Trip Onland
IH 720, 5x18 Toggle Trip
IH 710, 5x20 Spring Reset
IH 710, 5x18 Spring Reset
IH 710, 4x16 Spring Reset
JD F145, 3, 4, and 5 Bottom Trip
JD 1450, 5 & 6 Bottom Trip

NEW ARRIVALS

1980 Gleaner F2 Corn Plus 23" Rubber, like new
JD 4840 Cab & Air, Power Shift, 1600 hrs., very nice
JD 4230 Cab & Air, Quad Shift, 38" Rubber
IH 1466 Cab & Air, 20x38 rubber, new TA
Case 1816B Skid Loader, 500 hrs.
NH L425 Skid Loader, 610 hrs.
IH #40 Stalk Shredder, excellent condition
Gehl 95 Grinder Mixer
IH 710, 7x18 Spring Reset OnLand Plow
JD 2020 Dsl. w/Hi Low
JD 336 Baler w/#30 Ejector

HAY EQUIPMENT

JD 3960 Harvester w/Elec. Controls, 2 or 3R Head, very good
JD 510 Round Baler, very good
JD 346 Twine Baler w/#30 Thrower
JD 346W Baler w/Thrower
NH 315 Baler w/thrower, bale SOLD 5,000 bales, like new
IH 1190, 7' Haybine, very nice
NH 489 Haybine
NH 467 Haybine
NH 477 Haybine
NH 320 Baler w/Bale Turner, excellent
NH 273 Baler w/Thrower
NH 277 Baler w/Thrower, very nice
NH 845 Rd. Baler, very nice
NH #38 Flail Chopper, used 1 season, like new
NH #80 3 Pt. Rd. Bale Mover
NH 1005 Bale Wagon, single bale unloads
NH Super 1049 Self Propelled Bale Wagon, 160 Bale Capacity, very good condition
NH 1012 Bale Wagon

DISCS

Bush Hog 18½' Hydraulic Wing Fold Disc, like new
JD AW 12'6", Very Good
JD BWF 20' Rock Flex
JD BWF 16½' Rock Flex, excellent blades

CORN HEADS

AC FG430
JD 243, 244, 343, 443, 444
IH 844, 843, 227
MF 43, 63C

GRINDER MIXERS

JD 750 w/Long Auger
JD 700
NH 353
NH 352

NEW EQUIPMENT SPECIALS

NH 316 Baler, $6,800
NH 311 Baler, $5,800
White 6 Base Spring Reset Plow, SOLD $4,900
Taylorway 9' Soil Saver, $3,350

CHISEL PLOWS

JD 1610, 12 Tooth Pull Type
MF 12 Tooth 3 pt.
Glencoe 7 Tooth Soil Saver

MISCELLANEOUS EQUIPMENT

JD 148 Loader for 2840 & 2940 Tractors
18x38-18x34 Duals
Cabs to fit IH 706 thru 1466 Tractors
Cabs to fit JD 3010-4320 Tractors
Brillion 8' Alfalfa Seeder w/Transport, good condition
JD 4 Row RG & RM Cultivators
IH 2250 Quick Tach Loader
IH 1000 Loader for 140 or Super A, very nice
JD 3R 30" Fg. Head
NH 3RN Quick Tach Corn Head
JD 7' Direct Cut Grass Head for 3940, 3960 Harvester
JD 8300, 7x18 Double Disc Grain Drill

COMBINES

1982 IH 142(SOLD bine, 600 hrs., fully equipped, like new
1976 MF 510 Dsl., Cab, Air, 23" Rubber, excellent
1976 Gleaner F Gas w/Cab & 13' Grain Table, very nice
1976 Gleaner FKS Dsl., Cab & Air, 13' Grain Table, very nice
1976 IH 715 Dsl., Hydro., Cab, Air, 23" Rubber, nice local trade
1975 JD 4400 Dsl., Cab & Air, 1400 hrs., excellent
1977 JD 4400 Ds SOLD & Air, 23x26 rubber, very good
1974 JD 4400 Dsl., Cab, Air, Choice of Heads
1973 JD 4400 Gas w/Cab, 1300 hrs., good condition
JD 213 & 215 Flex Heads
IH 820, 13 & 15' Flex Heads
Corn & Soybean Chopper to fit JD 3300-4400

Good Selection of Grain Tables
Financing Available on Above Machines

Call us for your year end tax investment credit equipment needs.

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With 3 Point, PS, new rear rubber, $1500/offer.

Flatbed trailers,
16', 2 axle, new, $1095.

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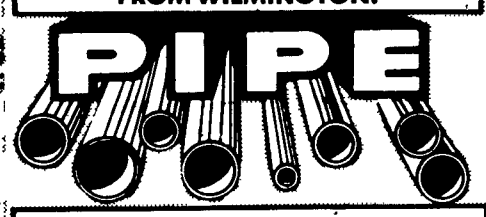

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JD 4230
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AC 200
JD 4040 w/Cab
AC WD45
Case 1210 4 WD w/Loader
IH 656
MM G1000 Vista

USED COMBINES
AC M2 4 Row Head 15' Platform
AC F2
MF 300 13 ft. Platform & Cab
JD 6620 Side Hill 6 Row Corn Head, 15' Platform

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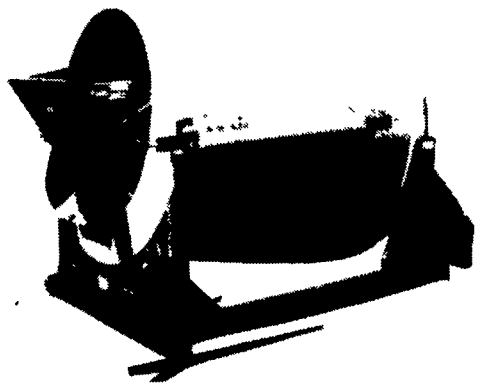

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AC 2500 Disc 10 ft. 10 in.
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2 NH 717 Forage Harvesters
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(2) NH 469 Haybine
NH 488 Haybine
NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
IH 80 Pull Type Combine
IH Conser-Til
Hesston 1091 Mower Conditioner

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AC 460 Loader w/2 Buckets (Will fit AC 6080 Tractor)

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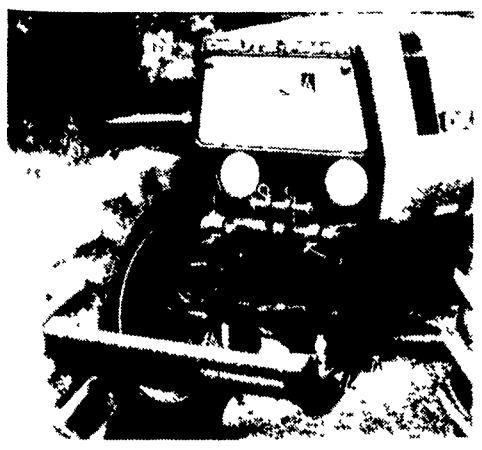
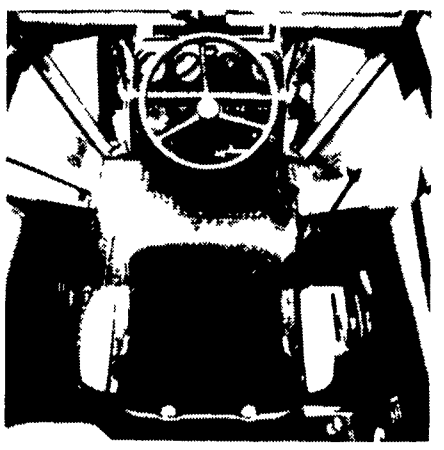


Front Hitch



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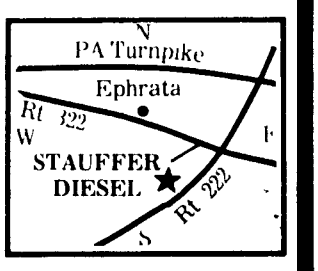

Clugston Implement Inc.

Chambersburg, PA 17201

NEW JOHN DEERE
JD 4250, PS, SG, MFWD
JD 4250, PS, SG
JD 2350 MFWD
JD 1450
JD 5720 SP Fg. Harv.
JD 3950 Fg. Harv.
JD 327, 337 & 347 Balers
JD 530, 430 & 330 Rd. Balers
JD 7000 4 & 6R Consv. Planter
JD 215 Disc
JD 8300 18x7 Drill
JD 716A Fg. Wagon

USED JOHN DEERE
JD 4430
JD 3020
JD 3010 Tractor
JD 2940
JD 2940 w/MFWD & 260 Loader
JD 1530
JD MT w/cultivators & plow
JD 300 Husker w/2 Heads
JD 830 Mower Conditioner
JD 1326 Mower Conditioner
JD 2RN & 2 RW C.H.
JD 336 Baler
JD Transport Disc
JD 216 Fg. Wagon

NEW NEW HOLLAND
NH 326 & 311 Balers
NH 849 Rd. Baler
NH 489 & 499 Haybines
NH 555 Skid Steer Loader
NH 900 Fg. Harvester
NH 302 & 307 Spreaders

USED NEW HOLLAND
NH 495 Mower Conditioner
NH 479 Haybine
NH 2R Snapper Head for Fg. Harv.
NH 258 Rake
NH 26 Blower
NH 329 & 518 Spreaders

OTHER NEW ITEMS
Kuhn Hay Tedders & Rakes
Kuhn 10' Disc Mower
Bobcat 743 & 843
H&S 295 Spreaders
Demco Sprayer 600 gal.

OTHER USED ITEMS
Hawk Built Tandem Tank Spreader
NI 208, 214 & 217 Manure Spreaders
White S400 6RN w/no-till
IH 1190 Mower Conditioner
Hesston 1014 & 1090 Mower Conditioners
Owatonna 235 12' Swing Tongue Mower Conditioner
Ford 530 Baler w/Thrower
Fox 3000 Harv. w/Heads
Case 1845 Dsl. Skid Loader
Dion Fg. Wagon

SPERRY NEW HOLLAND
bobcat

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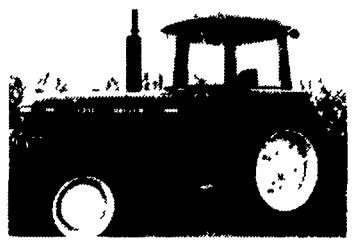
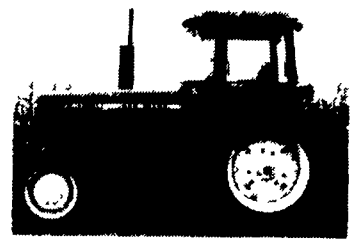
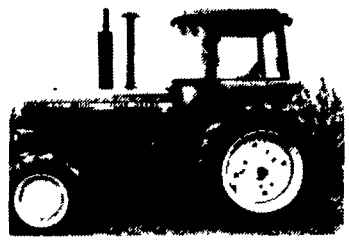


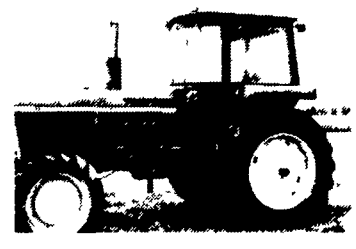
JD 4040
4 WD, 1982 model,
Like New
$17,000



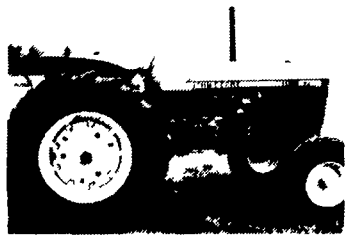
JD 4240
4 WD, 1982 Model,
Like New
$19,500



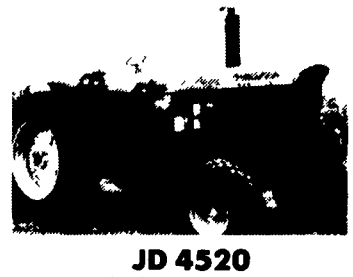
JD 4440
4 WD, 1981 Model,
Like New
$23,000



JD 4230
4WD, 1977 Model,
Very Nice
$14,800



JD 2740
Brand New
Only $15,800



JD 4520
2500 hrs., PS,
Excellent Condition
$7,500

OTHER TRACTORS

JD 4240, Like New	$19,000
JD 4040, very nice	$13,800
JD 4020, side console	$7,300
JD 3020, WF, new tires	$5,900
JD 4320, narrow front	$6,800
JD 4640, 4WD, very nice	$21,000

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USED IH 1440 COMBINE,
air, later series, excellent condition, 1425 hours
$34,700 We sold new

IH HYDRO 100
Cab, Air, good condition, call for price

Farmall M w/Power Steering, & Live Hyd.
AC 700 No Till Planter, 4R
NI 213 Spreader 1026 Tractor Hydro

Dismantling Combines for parts
over 400 all makes and models
Call before you come.

IH 915, 815, 315, 205, 203, 503, 403, 303, 93, 91, 151, 101, 141, 127, 125, 82, 76, 74 JD 6600, 105, 95, 55, 45, 40, 30, 25, 12A MF 510, 410, 300, 35, 92, 82, 72 90, 80, 70, 60, 27, 26 AC Gleaner, L, M, K, G, E, C, C2, A, 60, 66. Oliver 545, 535 430, 40, 35, 33, pull type NI Uni, 705, 702, 701, Combine shellers & harvesters Ford 622, 630, pull type Case 960, 660, 600 NH 975, 985 NM 5297, MM Uni White 8600, Massey 750D

CORN HEADS

Massey 82 2R
MF 43, 4R, 30" for 510 or 410
IH 733 3R 30" for 615 or 303
MF 421 4R 30" for 410 old style
AC 435 4R 38" for G
IH 744 4R 38" for 915
4 MF 24 2R 38" for 300 quick tach
MF 321 3R 30" for old style 300 or 410
IH 724 2R 38" for 615 or 303
AC 438 4R 38" for L or M
IH 328 WN 3R 30" for 615 or 303
JD 234 2R 38" for 40 or 45
IH 227 2R 38" for 91, 203, 205 or 315
IH 733 3R 30" for 815
NI 2R 38" for 701
IH 744 4R 38" for 815
Case 2R 38" for 600, 660 or 960
Case 3R 30" for 600, 660 or 960
Oliver 2R for 525
IH 6R 30" for 503
AC 4R 38" for C2 or C

GRAIN HEADS

NH 13' for 985
JD 8' for 40
IH 8, 10 & 13' for 91, 203, 205 or 315
Gleaner 13' for K
Gleaner 13' & 10' for E
Case 12 & 10' for 600, 660 or 960
IH 12' for 815
JD 12' for 3300, 4400 or 6600
Massey 12' for 82 or 92
Massey 10' for 72 or 82
IH 12' for 915

COMBINES

JD 45 w/2R & 10' grain, $2,000
IH 403 Gas hydro w/13' grain & 4R 30" corn
Case 70C SOLD rain & 2R corn
Case 660 cab w/10' grain, 2R or 3R 30" corn
JD late 45 w/2R & 10' grain
IH 105 w/cab & 10' grain
JD 7700 Hydro Dsl. big rubber & grain head, $7950
JD 95 w/ SOLD & 4R 38" cornh $3,200
Massey 82 w/12' grain head
JD 45 Sq. back w/10' grain, 2R cornhead, nice
IH 203 w/12' Grain & corn
Gleaner 1976 L hydro diesel, turbo, big rubber, air, 6R 30" corn, 15' grain head, A-1 cond., kept in
JD 45, late model w/JD 3300 Throat & grain & 2R cornhead
IH 105 w/8 or 10' head
JD 45 w/10' grain & 2R corn
IH 915 Diesel Turbo, hyd w/13' grain, 4R corn or 6R corn
IH 93 w/10' grain
IH 80 pull type PTO bin $1450
Massey 35, self propelled, 8' cut, real nice
MF 410 Quick tach w/grain head 4 Row 30 & 38" Corn Head
IH 76 PTO 7' pull type $475
IH 80 pull type Auger feed $950
AC Gleaner G w/4 row corn, $5,500
Gleaner A w/grain head $2,000
Gleaner E3 cab, grain
JD 4400 Diesel w/grain head, $7,500
Gleaner M Diesel w/grain head & 4 row corn head, $11,500
IH 80 7' pull type auger feed, $875
MF 510 Diesel w/Quick Tach, grain head $5500
IH 82 pull type, auger feed, PTO $1,475

TRACTORS

AC WD 45, new paint, $1,200
AC D15, WF, PS, loader, $2,000
Economy 14 hp w/plow, belly mower & front end loader w/hyd. bucket, $1975
Farmall Late H
Farmall SOLD per C w/Cul tors
Farmall M w/PS, live hyd. w/#2000 IH loader, wide hyd. bucket, very nice, $2700
Farmall Super C w/hyd. & pulley $975
Oliver OC3, narrow track crawler w/front end loader, $3500
JD 450 Dsl. crawler w/front loader, $8950
AC D19 Dsl w/WF
Oliver 1800 NF 80 hp gas
Ford 6000 65 hp gas
Massey 44 NF gas
IH 460 gas w/loader & snow blade
Massey 101 PTO & pulley, $500
Massey 1080 D, needs PTO gears
JD 720 Diesel w/PS
IH 340 w/fast hitch
AC XT190w/3 pt & WFE, $3,950
IH 706 Gas, NF, $2875
JD 60 w/PS, $1475
AC WD w/PS, $1175
Farmall Super M w/PS, $1500
Ford 871 w/PS, $2475
IH 460 gas NF
Ford 6000 Diesel $2475
Massey Pony Pacer w/1R cult. & 1 btm. plow $1485
Farmall 200 w/fast hitch & loader w/hyd. bucket, $2,000
IH 300 Utility w/loader
Massey 44D w/WF
AC D19 Diesel w/WF
Case 400 Diesel
Ferg. 30 w/3 pt.
Farmall 560 Diesel $2850
Farmall BN w/hyd. $875
Ford 900, P/S, real clean
AC D17 Diesel snap coupler
IH 3444 Diesel backhoe w/2 in 1 bucket, $6000
Ferguson 30

PICKERS

NI #319 2R mtd
Oliver #73 2R 38" pull type $750
IH 1R Snapper, $185
NI 323 1R $1650
IH 1PR White Elevator
Oliver #5 1R, $950
Oliver #83 2R, 38", $1275
NI #310 1R picker
Case 2R mtd off of case 400
Massey 2R mtd off of 333
(2) NI #7 Pickers
(2) Woods 1 Row

WIDE FRONT ENDS

Farmall C or Super C, 200 & 230
Ford 6000 WFE
IH 460, 560, 706, 756, 806, 856

MISC.

IH #370 13' Wheel Disc w/rake
IH 9 tooth trailer type chisel plow
NH 269 Baler w/thrower
Trailer Type Rotary Mower, $475
IH Loaders to fit H, M, 300, 350 & 300 & 350 utilities
IH 13' Wheel Disc, $750
IH 720 Harvester w/2R 30" or 38", real nice
Hesston self-propelled haybine w/hyd. & cab
NI Cut/ditioner
Tandem unloading wagon
Ferg. loader w/hyd. bucket & front pump $650
AC 720 harvester 2R & 30" head & hay pickup $950
JD 34 Harvester 1R corn & hay pickup $875
12 Tooth Trailer type chisel plow
JD 210 wheel disc, like new
Ford 3 pt. disc, $475
JD 16' wheel harrow $1475
30 plows from 2 to 7 bottom
2 IH 10' wheel discs
IH 315 14' cultimulcher
7 & 8' drag discs, $100 & up
2-3 pt. cultivators
3 pt. rotary cutter
NI 213 3 beater spreader
NI 12' flail mower
1 & 2 row corn pickers
IH 370 11 ft. Wheel Disk
Sickle bar mowers, $100 & up.
Balers with throwers & without, $300 & up.

New 3 Pt. Equipment

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts

IH 1256, 666 Hydro, 806, 660, 560, 504, 404, 460, 450, 400, 350, 300, 340, 240, MTA, M, H, C, BN, A, Cub, F30, F20, F14, F12 JD 4010, 3010, 2010, 70, 60, 50, A, B AC 180, D17, WD, WC, CA, C, B MF 1155, 90, 85, 444, 333, 44, 33, 30, 20 Case. 300, DC, SC, VAC Ford 6000, 4000D, 860, 800, 8N, 9N Oliver 88, 77, 70, 60 Crawler D2 Cat & Oliver

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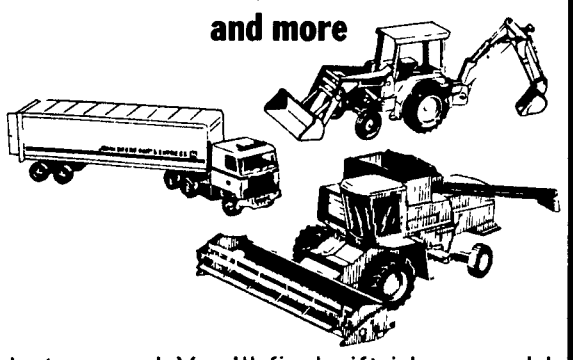

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1600 Plow, 4B, 3-pt, spring reset
2800 Plow, 5B, semi mtd spring reset
710 8'-9" Mulchtiller
712 11'-3" Mulchtiller
940 13' "S" Tine Cultivator, P-T
1010 9½' Field Cultivator, 3-pt
1010 18½' Field Cultivator, P-T
115 11' 5" Disk Harrow
215 12' 10" Disk Harrow w/cushion gang
315 12' 10" Disk Harrow
235 18' 6" Disk Harrow, Dura Cushion, Center Fold
235 22' 9" Disk Harrow, Dura Cushion, Wing Fold

JDFP FINANCE TERMS: APPROVED CREDIT
Used Utility & Row Crop Tractors
Waiver To March 1, 1986

Used Hay & Forage Equipment
Waiver to Sept. 1, 1986

Used Combines
Small Grain-**Waiver to June 1, 1986**
Corn & Soybean-**Waiver to Sept. 1, 1986**

Used Corn Planters-
Waiver to April 1, 1986

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Especially when the weather doesn t cooperate That s when the season seems shorter you get busier and equipment downtime costs more

But when you take advantage of our Green Light Service especially the off-season specials like the one we re having right now you can roll into the field and not worry so much about unexpected downtime Because we will have inspected for the unexpected And troubleshooting in the shop is a whole lot more affordable than finding trouble in the field Especially when you re busy

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$100 MINIMUM

10% OFF

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PRICED TO SELL

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JD 4010 Gas, WFE, 18 4T	$ 5,200	$ 4,895
JD 3010 Dsl ROM,	$ 6,750	$ 6,250
JD 2510 Gas, ROM,	$ 4,950	$ 4,850
JD 70 Dsl , power steer	$ 1,900	$ 1,795
JD 50	$ 1,875	$ 1,675
CASE 2090 12 sp, CAB dual remote dual whl	$16,500	$15,900
CASE 1210 12 sp P/S, WFE	$ 5,995	$ 4,995
IHC F1066 Dsl , turbo CAB A/H WFE dual remote	$13,900	$11,900
WHITE 2 105 Dsl WFE dual remote, 18 4 T	$ 8,450	$ 7,995
OLIVER 1650 Gas Hydra Power	$ 6,995	$ 6,495

UTILITY TRACTORS

	WAS	SALE
JD 2940 Dsl TSS Hi/Lo dual remote, 18 4 T	$15,500	$14,900
JD 2940 Dsl , Cab MFWD 18 4 T LEON H D Loader 7-ft bu	$31,500	$29,500
JD 2640 RU Dsl Roll Gard & encl	$12,900	$11,900
JD 2440 Dsl,	$10,990	$ 9,950
JD 2040 Dsl sngl remote, 835 hrs	$ 9,250	$ 9,000
JD 2040 Dsl , sngl remote, w/#145 loader, 84" bu	$10,500	$10,000
JD 1520 Gas Hi/Lo Live pto	$ 5,800	$ 5,500
FORD 600	$ 3,150	$ 2,995
FORD 8N	$ 2,150	$ 2,000

CORN PLANTERS

	WAS	SALE
JD 7000 6R"N" dry fert, cross auger, insect	$7,395	$6,995
JD 7000 4R"N", liquid fert, monitor	$6,495	$5,995
JD 7000 4R"W" dry fert, insect, HD coulters, mont	$6,200	$5,995
JD 1240 4R"N" dry fert, insect, DDO	$2,550	$1,995
JD 1240 4R dry fert insect, runner opener	$1,750	$1,450
JD 1240 dry fert NO insect	$1,500	$1,150
JD 1240 4R' W' dry fert, insect, runner opener	$1,500	$1,150
JD 494 4R dry fert att	$ 995	$ 695
JD 1240 4R dry fert insect	$1,900	$1,195
AC 6 row NoTil liquid fert	$1,750	$1,295

CORN PICKERS

	WAS	SALE
NI 323 1 row hyd lift	$3,250	$2,950
NI 324 2 RW 329 Shel	$5,850	$4,950
NI 325 2 RN 327 Husk	$6,995	$5,995

COMPACT UTILITY TRACTORS & EQUIP

	WAS	SALE
JD 750 MFWD w/67 Hyd Loader	$7,150	$6,500
JD 365 front blade w/ext (fits 650)	$1,000	$ 895
JD 448 rotary tiller 3 pt	$ 995	$ 895
WOODS RM306 rotary mower, 3 pt	$1,050	$ 950
4 FT ROTARY CUTTER	$ 495	$ 395

SNOWMOBILES

JD Liquifire Snow mobile	Priced To Sell
JD 800 Snowmobile	Priced To Sell

FORAGE EQUIPMENT

	WAS	SALE
JD 5400 SP, Cab, power rear whl drive w/484 stalker head	$38,500	$34,500
JD 5200 SP, Cab, w/3R 30" RC	$24,750	$19,750
NH 1895 SP, Cab, metal deflector, w/4R 30" RC, hay pick-up	$29,500	$26,500
JD 3960 PT, long tongue w/3R 30"	$12,900	$11,500
JD 3960 PT, 1000 pto, elect controls (#2976)	$ 7,950	$ 7,850
JD 35 PT, 2R 30", 5' Hay pick-up	$ 4,500	$ 3,950
JD 38 PT, 2R 38"	$ 1,450	$ 1,350
JD 3R 38" RC (#3108)	$ 1,550	$ 1,250
JD 3R 30" RC (#2312)	$ 3,250	$ 2,750

FORAGE WAGONS

	WAS	SALE
JD 716 Forage Wgn, 3rd bt, roof, 1275 gear	$6,500	$5,500
JD 716 Forage Wgn 3rd bt, roof 1275 gear	$6,500	$5,500

GRAIN DRILLS

	WAS	SALE
JD 8300 18x7 plain, sngl d o GSA	$2,950	$2,695
JD FB 13x7 w/fert sngl d o GSA	$ 950	$ 650
JD 1500 power till seeder 3 pt 12 op GSA	$2,750	$2,350

ROTARY CUTTERS

	WAS	SALE
JD 407 Int 7 ft,	$1,050	$ 895
JD 407 PT 7 ft	$1,350	$ 995
JD P107	$ 450	$ 395

CHISEL PLOWS-TOOL BARS

	WAS	SALE
GRAHAM "S" PT CHISEL 7 teeth	$225	$200
JD 8 ft bar w/5 sngl spring teeth, 3-pt	$795	$595

WHEELS/TIRES & MISC

	SALE PRICE
1 pr whls w/11L 15 10P	$ 80
1 pr whls w/9 5L 15 8P	$ 60
1 pr whls w/14" tires	$ 20
1 set (4) whls w/7 50 16 8P	$125
Wide Front End J D 620	$100
Hood for JD 125 Chuck Wagon	$100

COMBINES

	WAS	SALE
JD 7700 Cab A/H Auto hdr hth cont (base machine)	$19,500	$18,900
JD 6600 SH, CAB A/H, w/215 flex head, 643 corn head	$36,950	$33,500
JD 6600 CAB A/H, Hydro, Auto HH C, w/213 Flex head	$24,500	$23,500
JD 4420 CAB A/H, Loss Grain Mon , Straw Spdr , W/213 Flex head	$35,500	$31,500
MF 300 CAB S/H, straw spdr, 13' plat 33 corn head	$11,250	$ 9,950
NI UNI 702D CAB, 710 combine, 713 plat	$ 7,500	$ 6,500

BALERS

	WAS	SALE
JD 347 w/30 ejector, used 5-mo, like new	$11,950	$11,500
JD 346 w/30 ejector, hyd cyl multi luber		$ 5,850

DISK HARROWS

	WAS	SALE
JD 310 14 ft 3 in	$3,950	$3,450
JD 3000 series 14 ft	$2,950	$2,450
JD AW 28 bl 10 ft	$1,350	$1,250
JD AW 24 bl	$1,300	$1,095

OTHER ITEMS

	WAS	SALE
JD F950 Roller Harrow 12 ft	$1,650	$1,495
NI 270 Cut Ditioner	$2,250	$1,995
JD #9 3 pt mower	$ 450	$ 395
MF #41 mower 3 pt pitmanless hyd cutter bar	$1,050	$ 950
JD 125 4B16 3 pt	$ 795	$ 595
JD 2600 5B18 semi mtd spring reset ga whl	$5,850	$5,350
JD 896 side delivery rake gr dr 4 bar	$ 975	$ 875
JD #20 sprayer 3 pt for use w/55 gal drum	$ 65	$ 50
JD #535 trailer sprayer 30 ft boom cent pto pump	$1,395	$1,195
NH 367 Tank Spdr w/hyd roll back	$2,350	$1,695

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26x¼" smooth blades 12'1" cut spring bearing hangers 11Lx15 8-ply tires, 4"x8" cylinder, 225 lbs per blade

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#18* 2810 BS414C, S/N- C714456, PS, Stabilizer Kit,, Front Tires- 6.00x16, Rear Tires- 13.6x[SOLD] Hrs., Excell..... **$9,700.00**

#19 2810 BS414C, S/N- C728031, Deluxe Seat, PS, 4WD, Stabilizer Kit, Front Tires- 8.3x24, Rear Tires- 13.6x28, 7.5 Hrs., Excell..... **$12,500.00**

#20 2910 BA454C, S/N- C714672, Valve, Front Weights, Stabilizer Kit, 4WD, Front Tires- 8.3x24, Rear Tires- 13.6x28, 44 Hrs., Excell..... **$14,500.00**

#26 4610 DA314D, S/N- C733694, Differential Lock, Hydraulic, 8-9 GPM, 4WD, Power Adjust Wheels, Remote Valves (2), Alternator Hi-Cap, Extra 3 Pt. Balls in Tool Box, Weight Kit 8, Front Tires- 11.2x24, Rear Tires- 16.9x30, Syncro Mesh Transmission, 30 Hrs., Excell..... **$17,500.00**

#27* 5610 LA314M, S/N, C716739, Load Monitor, Cab w/Air, Padded Tool Box, 4WD, Remote Valves (3), Air Pre-Cleaner, Weights, Stabilizer Kit, AM/FM Radio, Front Tires- 14.9x24, Rear Tires- 16.9x38, 245 Hrs., Very Good..... **$21,000.00**

#28 5610 LA314M, S/N- C733696, Hydraulic, Dual Power, Remote Valve (3) Air Pre-Cleaner, Weights, Front Tires- 10.00x16, Rear Tires- 18.4x34, 142 Hrs., Good..... **$17,500.00**

#29* 6710 EC314L, S/N- C716740, Auxiliary Fuel Tank, Hydraulic, Cab, 4WD, Weights, AM/FM Radio, Front Tires- 14.9x24, Rear Tires- 16.9x38, 130 Hrs., Very Good..... **$24,000.00**

#32 7710 FC315L, S/N- C733742, Cab w/Air, Deluxe Seat & Tool Box, Power Adjust Wheels, Weights, AM/FM Radio, Load Monitor, Syncro Mesh Transmission, Dual Power 9 gpm, Front Tires- 10.00x16, Rear Tires- 18.4Rx38, 62 Hrs., Very Good..... **$24,000.00**

#33 TW5 Tractor GC415M, w/Ford Loader 773, S/N- C716069, Auxiliary Fuel Tank, Cab w/Air, Deluxe Comfort Seat, Heavy Duty Front Axle, Power Adjust Wheels, Remote Valve (3), Ether Start Kit, Front Tires- 14Lx16.1, Rear Tires- 18.4x38, 63 Hrs., Good..... **$26,000.00**

#34* TW5 GC415M, S/N- C722146, Auxiliary Fuel Tank, Cab, Deluxe Seat & Padded Tool Box, 4WD, Re[SOLD]te Valve (3), Performance Monitor, Weights, Ether w/Immer[SOLD] Heate[SOLD], AM/FM Radio, Front Tires- 16.9x28, Rear Tires- 20.8x38, 80 Hrs., Very Good..... **$25,500.00**

#35 UC415M TW15, S/N- C722766, Cab, Comfortizer Seat, 4WD, Power Adjust Wheels, Remote Valve (3), Performance Monitor, Weights, Cold Start, AM/FM Radio, Front Tires- 16.9x28, Rear Tires- 20.8x38 200 Hrs., Very Good..... **$32,000.00**

#36 TW25 HC415M, S/N- C716359, Auxiliary Fuel Tank, Cab, Comfortizer Seat, Padded Tool Box, 4WD, R[SOLD]te Valve (3), Performance Monitor, Weight, Ether & He[SOLD] Kit, AM/FM Radio, Front Tires- 16.9x28, Rear Tires- 20.8Rx38, Dual Power, 118 Hrs., Very Good..... **$34,000.00**

#46 555A Tractor/Loader/Backhoe DF7113, S/N- C733689, 6x4 Transmission, Bostrom Seat, Front Tires- 11Lx16, Rear Tires- 16.9x28, 4 Post Rops, Loader w/7' Wide Self Leveling Bucket, Backhoe- 14 Ft. Hoe, 71 24" Bucket, Standard Stabilizers, 36 Hrs., Very Good..... **$33,000.00**

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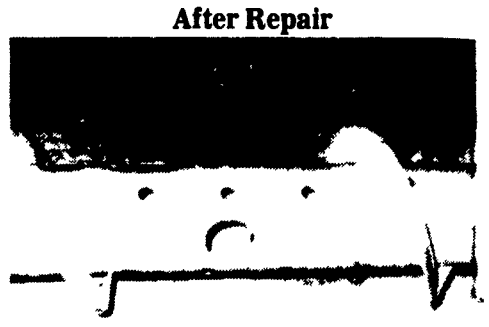
Before Repair

After Repair



Damaged Or Broken Combine Table Augers Rebuilt Same As New!
No need to purchase a new auger when you can buy one that's rebuilt! Or have your auger repaired for less than one half of the new auger price!

Rebuilt augers are guaranteed to run true! "They are jig repaired."

Call Now For Appointment And Price Quotation To Have Your Auger Repaired

IN CELEBRATION OF 50 YEARS IN BUSINESS, WE ARE OFFERING USED COMBINES AT LOWER THAN REGULAR PRICES!

50 50

NOTICE

Our prices on the following combines include warranty, delivery, low rate financing or waiver, and a fair price considering trade-ins. We will adjust these prices DOWN if you want to buy without all these benefits.

USED MF COMBINES

SPECIAL MONEY-SAVING FINANCING

Buy now & finance with MF at a low 8.9% APR...or choose waiver of finance charges till July 1, 1986 on selected used combines.

USED M-F COMBINES

1980 MF 760 V8 Hydro	$35,000	1974 MF 760 V8 Hydro	$15,000
1980 MF 760 V8 Hydro	$25,000	1974 MF 760 Gear	$9,500
1979 MF 760 V8 Hydro	$29,000	1972 MF 760 Hydro	$15,500
1979 MF 550	$19,000	1972 MF 510 Gear Grain & Corn	$12,000
1978 MF 760 V8 Hydro	$29,000	1972 MF 510 Gear	$12,000
1978 MF 760 V8 Hydro	$22,000	1972 MF 510 Hydro	$12,000
1978 MF 750 Hydro	$22,000	1972 MF 510 Gear	$9,000
1977 MF 750 Turbo Gear	$25,000	1972 MF 510 Gear	$9,000
1976 MF 760 V8 Hydro	$17,500	1972 MF 300 G Cab	$6,500
1976 MF 760 Hydro	$19,000	1971 MF 510 D Gear	$8,500
1976 MF 750 Hydro	$14,000	1971 MF 510 D Gear	$8,000
1976 MF 750	$12,500	1970 MF 300 Cab	$6,500
1976 MF 750 Gear	$13,500	1969 MF 510 D Hydro	$10,000
1975 MF 750 Gear	$19,000	1968 MF 510 D Hydro	$9,500
1975 MF 760 V8 Hydro	$15,000	1968 MF 510 D Cab	$8,000
1975 MF 750	$12,500	1957 MH 82 12' w/P U	$600

Above Combines Include Grain Tables, Less Cornheads, 61 Cornheads In 2,4,6 and 8 Row Sizes.

USED TRACTORS

MH Pony w/Plow & Culti	$1,600
MH Pony w/Plow & Culti	$1,800
Farmall Super A w/P &C	$2,300
MF 255 Dsl	$5,700
MF 65 Gas M-P	$2,400
IH 574 Diesel Std	$5,200
MF 1155 Cab M-P	$9,000
MF 1135 Engine O H	$9,000
MF 178	$5,200
Ford County 1164 4 Wheel	$6,800
MF 11 Shovel Loader	$9,500

ADDITIONAL USED COMBINES

1976 JD 7700 Turbo Hydro	$21,000
1975 JD 3300 D Gear	$12,500
JD 45 10' Gas	$1,500
1960 Gleaner A w/Grain Head	$1,500
1974 White 8600 Gas Hydro 13'	$8,000
New Idea 701 Uni System w/Combine	$3,500
New Holland 975 Gas 2 Row C H	$2,900
IH 403 w/4R 30" C H	$2,500
1966 Gleaner C Dsl w/4R 30" C H	$6,000

TILLAGE
New - Used - Demo

Glencoe 13' Field Culti	$2,100
Glencoe 11' Field Culti	$1,900
Glencoe 9 Tooth Soilsaver	$6,900
MF 820 19' Wing Disc	$7,500
MF 820 19' Wing Disc	$8,500
MF 233 Disc Harrow	$4,100
MF 301 Soil Conditioner	$6,750
Amco F15B 18' Wing Disc	$12,800
MF 730 Offset Plow Harrow	$3,500
MF 345 3/16 Reset Plow	$2,800
MF 345 3/16 Reset Plow Demo	$2,500
MF 43 2/16 Plow	$1,150
MF 43 2/16 Plow Demo	$1,050
MF 43 3/16 Trip Plow	$1,650
MF 880 6/16 Hyd Reset	$6,500
MF 880 5/16 Spring Reset	$2,100
MF 880 4/16 Hyd Reset	$1,200
IH 550 4/14 Semi-Plow 2 «	$650
Oliver 46 3/16 Plow	$425
Semi-Plow 5/16	$700
Brady 10' Chisel Plow	$1,800
IH 45 3 pt Field Culti	$975
Bush Hog Offset Disc Harrow	$4,000
Kewanee 730 Wing Disc	$1,900
Dunham 12' Cultipacker	$1,290

HAYING & MISC. EQUIPMENT
New - Used - Demo

Farmhand Corn Processor	$4,500
Conveyors for above 3 «	$850
E Z 16' Forage Box & 12 T Gear	$5,700
E Z 220 W Gravity Box	$590
MF 775 S P 14'	$3,000
Mott 72" Flail Mower	$1,575
Tye No-Till 10' Drill	$8,500
MF 33 17 Run Grain & Fert Drill	$2,200
MH 26A 15 Run Grain Drill	$150
MF 925 9' Haybine	$2,800
Belt 16' Aluminum Elev w/Motor	$750
Electrospray 110 Gal Air Sprayer	$2,650
Walsh 3 pt Sprayer w/Boom	$850
Danuser Wood Splitter	$700
Danuser Post Driver	$1,300
Trail Blazer 3 pt Crane	$129
(2) Trail Blazer 3 pt Ball Fork	$195
MF 226 8' Scraper Blade	$535
York 7' 40BC Scraper Blade	$375
York 7' 55BC Scraper Blade	$590
MF 222 5' Scraper Blade	$310
York RW 7' Landscape Rake	$1,275
Zimmerman 8 Ton Gear	$680
MF 5 5th Wheel Steer Gear	$350
E Z 6 Ton Gear	$525
E Z 1074 10 Ton Gear	$1 150

DEMO & RENTAL TRACTORS

MF 4880 4-Wheel Drive	$49,000	MF 670 Cab	$15 700
MF 3545 Gab M-P	$28 500	MF 250 8 Speed	$9 750
MF 699 Cab	$21,000	Northwestern 81 Skid Steer w/Bucket	$14 500
MF 670 Cab 4 Wheel	$20 500		

MF Massey Ferguson

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Willard BATTERY OUTLET

• TOP QUALITY BATTERIES •
• FULLY WARRANTED •
• EVERYDAY DISCOUNT PRICES •
EVERYTHING FROM

HEARING AIDS TO BULLDOZERS

AUTOMOTIVE BATTERIES As Low As **$31.95**

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FEASTERVILLE 215-322-2909	LANSDALE 215-362-1849	LEVITTOWN 215-946-2288	

USED TRACTORS

JD 4630 cab & air
JD 4630 w/4 post roll guard
JD 4430, cab, air, quad range
JD 2020 w/loader
JD 2510
JD 2640 w/loader, like new
JD 2940, excellent cond.
1977 JD 4430 w/cab & air power shift
JD 4320, cab & air
JD 2510 Gas
JD 820 Diesel
JD 4010
JD 4020 w/cab
JD 4020 side console
JD 3020 Diesel
IH 1086 cab & air
Int. 986 cab & air
IH 966
IH 574, like new
IH 806
IH 766 w/cab
IH 656 utility w/loader
IH 666 gas
IH 364 w/power steering
IH 84 hydro, 500 hrs.
Farmall Cub w/new Woods mower
Ford 3400 w/Loader
Ford 1700, 200 hrs.
AC 210 diesel
AC 170
MF 205, 4WD
David Brown 1200
Satoh 4WD w/loader, used 200 hrs.
Kubota L305F diesel w/front wheel drive, like new

USED PLOWS

Int. 5 btm. 18" spring reset plow
White 5 btm. 18" spring reset plow
Int. 6 btm. Toggel trip high clearance plow
Large selection of 3 to 7 btm. plows

GRINDERS & MIXERS

Gehl 120
Gehl 95
IH 1150 $1,450.

USED COMBINES

444 JD corn heads
443 & 643 corn heads
JD 3300 combine
1975 JD 4400 diesel
Large selection of JD 2, 3, 4 & 6 row corn heads
JD 4400 gas, rotary screen

USED PLANTERS

JD 7000 4 row Dry fertilizer
JD 7000 6 row no till
JD 7000 6 row conservation, liquid

Used Moore no-till grain drill

USED HARVESTERS

Fox 2 row snapper head
Fox Custom 90

Gehl flail head, excellent condition

HAY EQUIPMENT

NH 472 haybine
NH 489 haybine
Gehl 1090 haybine
NH 310 w/thrower
Gehl 1500 Round baler
Large selection of hay rakes
M-C 7' rotary sythe, used on 100 acres
Large selection of used rakes
NH 275 baler w/kicker
NH 1010 Stacker Bale Wagon
NH 1033 Stacker Bale Wagon

New Farmhand grinder blower

MISCELLANEOUS

Int. 510 grain drill
JD 30 ft. Implement Trailer
Large selection of smaller discs
Danco hydraulic rear unloading silage wagon on tandem running gear
1974 GMC w/new 16' grain body & hoist w/air brakes
Badger 16' Forage Wagon, 3 Beaters w/roof, tandem running gear
New Farmhand loaders for IH and JD tractors
NI 323 1 row picker
NI 2 row wide, 12 roll, $3,000.
Kewanee hydraulic fold 18' disc
Big V snow plow 12' wide

D & R EQUIPMENT INC.

Ringoes, New Jersey (201) 782-5082

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JD 650, 2WD
JD 750 2WD & 4WD
JD 850 4WD
JD 950, 2WD & 4WD
JD 1050 2WD & 4WD
JD 2150
JD 2350
JD 2950 MFWD
JD 4050 SG, QR
JD 4250 SG, PS
JD 4450 MFWD SG, PS

OTHER EQUIPMENT
JD 1065, 1075 & 1275 Wagon

HAY TOOLS
JD 1219 Mower Conditioner
JD 430 Rd. Baler
JD 327, 337 Balers
NH 316 Baler

TILLAGE EQUIPMENT
JD 2800 5B Plow
JD 235 19'11" Disc
JD 115 10' Disc
JD 215 11'5" & 12'10" Disc
JD 1610 Chisel Plow
JD 1000 3B Plow

PLANTING EQUIP.
JD 7000 Cons. Pltrs. 4R & 6R
JD 8200 21x7 Plain Drills

COMBINES & HEADS
JD 643 Corn Head

USED EQUIPMENT
IH 966 Tractor ACWD
JD 3300 Combine
JD 237 Picker
JD 16' Grain Platform
Gehl 600 Forage Harvester
AC K2 Combine
Fox 3000 Fg. Harv.
Lely Roterra 13'6"
JD 6 Row Max Emerge Planter w/Liquid Fertilizer
White 5400 No-Till Planter
1,000 Gal. Zero Bulk Tank, $750

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LOST CREEK IMPLEMENT

Oakland Mills, PA 17076
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NH TR85, 1,800 hrs., cab, 4WD, Cat dsl., hydro, 16' platform
NI 717 Uni-Combine w/744N corn head, 13' grain platform, excellent
Case 600 combine, good
MF 760 combine w/hydro, cab, AC, 1164 corn head, platform, $29,000
NH 975 combine w/platform and QT Feeder House
510 MF w/platform, cab, air, nice
NI 314 2 row pull type sheller
NI 325 2 row narrow sheller, excellent
JD 300 Husker
Waiver on New & Used

USED TRACTORS
JD 4240, SGA, power shift, excellent
JD 2950 Tractor, 500 hrs., like new
JD 2840 tractor, new tires, good cond.
(2) JD 2010 Gas, nice
JD 70 Gas, excellent
JD 60 Tractor
JD A Tractor w/picker
IH 300 Utility w/PS, loader
IH 584, less than 200 hrs., like new
MF 65 tractor, good, new tires, reduced $3,200
Farmall H (1) w/cultivators, sharp
(2) AC WD w/2 btm. plow

TILLAGE
IH transport disc, 12', good
IH 720 4 btm. plow, excellent
(6) 2, 3, 4, 5 bottom plows
9' Case transport disk
18' transport harrow
JD 12' drag harrow

DRILLS & PLANTERS
JD 1440 no-till planter, dry, insect., very good
(2) JD 1240 planters, good cond.
(2) JD 7000 4 row conservation planter, dry, insect., markers, monitor, excellent
MF Grain Drill, steel wheel, nice
2) IH 56 4 row DD, dry fert.

HAY, FORAGE & MISC.
NH 273 Baler
NH 68 baler w/thrower
JD 480 mower conditioner
(3) Used Flail Choppers
JD 506 Rotary Cutter
NH Super 77 Harvester w/2 RRC & pickup head, very good
IH 830 harvester w/2 row head, excellent cond.
JD 38 Harvester
8' Brillion Cultipacker, like new
JD 115 Forage Box
NH 353 grinder mixer w/scales, like new
JD 750 grinder mixer, very good
JD 80 tool bar, 2 row cultivator
Ford 7' pt. hitch mower, $425
2) 512 NH Spreaders, $800 each
2) Used gravity bins w/running gears
IH 900 haybine, 9'

1 FARM EQUIPMENT

USED COMBINES

Waiver of Interest till September 1, 1986

- '71 JD 7700 w/15' cutter bar
- '75 JD 7700 - Rotary Screen, 16' Platform
- '81 JD 8820 4 wheel drive, factory duals, 1100 hrs., with 220 flex cutter. Excellent Shape
- '77 MF 510 w/16' cutter bar & 4 row corn head $7,500

CORN HEADS
Good Selection of John Deere
443-444-643-644-843
Cornheads

USED TRACTORS

Waiver of Interest Till April 1, 1986

- '74 JD 1530 diesel w/145 loader
- '79 Steiger ST 210 Series 3, 4WD with dual 18.4x34 tires, 3 pt. hitch, 1336 hrs. $24,500 reduced to $20,500
- '80 JD 2440 w/145 Loader

CORN PLANTERS

- AC 770 6 row air planter, liq. fert., monitor, insect.
- Int. 8 Row 30, 3 pt. Cyclone Planter

MISCELLANEOUS EQUIP.

- JD 58 Loader
- JD 115 disk harrow, 10' 2" w/ Midwest harrow, like new, done 20 ac.
- JD 210 disc harrow 14'3", Midwest Buster Bar attach.
- Graber 26' flex pull-type chisel plow
- 1 Brillion 4 row cultivator w/heavy spring shanks
- JD 38 Harvester w/2 RW Head
- Tye drill 24 tine, double disc opener, 3 pt. hitch

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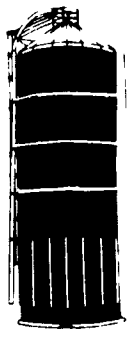

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- Supreme Bottom Unloaders
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"WANTED" Late model MF 750-760 combine, very good shape, no rust. Will consider JD. 717-294-3404.

WANTED: New Holland bale wagons. Any size. Roeder Impl. Seneca, Kans. 66538. 913-336-2800.

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17x30 White Roof Harvestore w/auger unloader and roller mill, 7 yrs. old. 315-659-8914.

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Silo Repair
Tear down & rebuild, extensions, silo roofs, permanent pipe, distributors, unloaders, feeders We specialize in Replastering Silos.
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SHOTCRETE RELINING
Stronger Than Plaster
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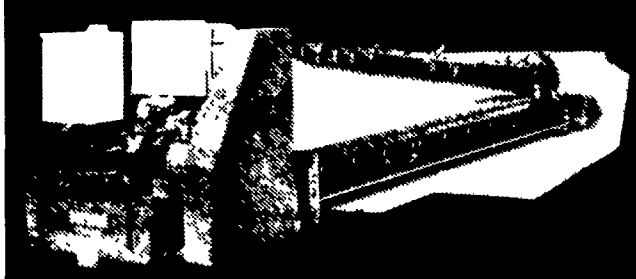
THE SUPREME FORAGE CHALLENGER:
The Better Bottom Unloader.

The perfect unloader for almost any kind of silo.
The Supreme Forage Challenger Bottom Unloader is easy to install It fits right into the trough of most bottom-unloaded silos You can even move it from one silo to another Requires no short-arming to start Just adjust the cutter speed to cutter need Cutter arm can also be reversed Exclusive chain guide minimizes chain wear and keeps cutting knives at proper angle. Super-heavy construction Built to last And last Ask for a free demonstration, first chance you get
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SCS Approved
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In A Section, Page 12

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- Oxygen controlled
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- HAIDC unloaders for hay-lage and grain

2

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- 6" steel reinforced solid concrete walls
- Compare our superior construction and features
- 12' thru 30' diameters available

3

UPRIGHT BUNKER SILOS
- Low cost storage
- Fast installation
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4

MANURE PITS
- Poured in place or precast concrete
- Above or below ground
- SCS approved

5

FEED BUNK
- Long lasting reinforced pre-cast concrete
- 3 styles of H-Bunk available
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6

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- No more opening and closing gates
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- ☐ 1 Bottom Unloading Concrete Silos
- ☐ 2 Top Unloading Concrete Silos
- ☐ 3 Upright Bunker Silos
- ☐ 4 Manure Pits
- ☐ 5. Feed Bunk
- ☐ 6 Cattleguards

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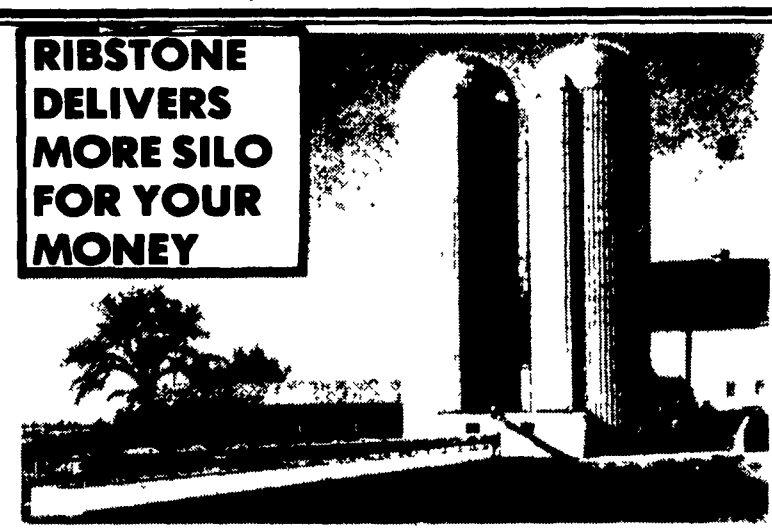

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When you order a new Madison conventional silo this Fall our special package price includes a top quality ring-drive unloader system. We know you want to buy your new conventional silo at the lowest possible price. We also know you want good quality. That's why we're offering this special total package on the best silo money can buy – a Madison.

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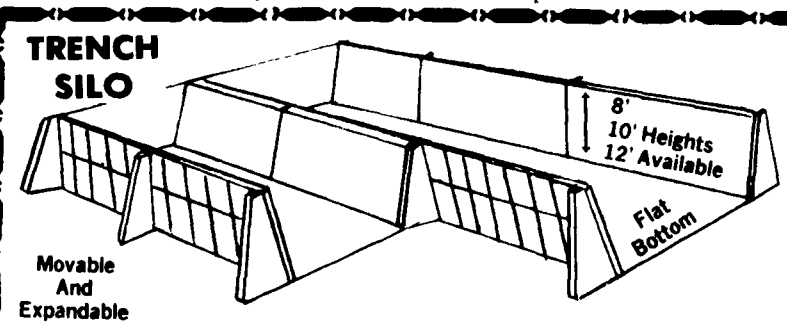
Year-end inventory. Clear out sale. All steel bldgs 30x40 was $6,999. now $4,708 50x100 was $25,399. now $16,098. Sale ends Dec 31 John 717-786-1226 Can Deliver

TRENCH SILO



Movable And Expandable

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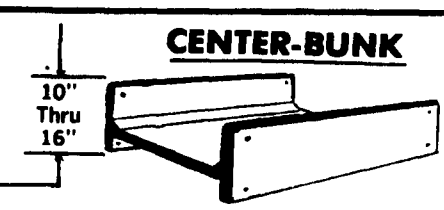
853 Buchanan Trail East
Greencastle, Pa. 17225
PHONE 717-597-4994

CUSTON DESIGNING FOR YOUR PRE-CAST NEEDS
FOUNDATION WALLS, MANURE PITS, INSULATED PANELS

CENTER-BUNK



We Deliver And Install

4 BUILDING AND SUPPLIES

For Sale: 2 Oak Barn Frames, Barn Beams, 1" Oak Board, Metal Roofing, Barn Door Hinges, Flooring, Misc. Lumber. Cumberland Co. 717-766-0621 9 p.m. to 11 p.m.

KENCOVE HIGH-TENSIL FENCE

PA 800-442-6823
Other States 800 245-6902
RD 1, Box 111
Blairsville, Pa 15717

Hemlock Tobacco Rails

10% Winter Discount off 1985 prices if ordered by Feb. 1, and delivered by May 1, 1986
(framing lumber also available)
Write for prices

Enos S. King
Box 128
Rebersburg, PA 16872

ASPHALT & FIBERGLASS SHINGLES

$13.21 per square plus tax
Overstocked colors,
$10.00 per square plus tax
Roofing Paper $4 & $5 per roll plus tax

CRAMER'S FARM
Newport, PA
717-567-6782

PUMPING CONCRETE? CALL US

Concrete Pump Available

LANCASTER SILO CO.
2008 Horseshoe Rd.
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Pole Buildings erected, $2,950. and up. Lowest Prices, for Equipment Storage Buildings, Horse Barns, Garages. Call 215-264-5995 for free estimate.

Sawmill lumber, any dimension up to 24' long. Pine, Hemlock, Oak. Can deliver. Stoltzfus Sawmill, Box 80, Rebersburg, PA 16872.

Used Oak Boards, 2x6x15, $3.00 each; Oil fired hot water heater, like new, 50 gallon, complete w/oil gun, $150. 717-386-4899

Wanted: Old used lumber from barn, houses, factories, etc. Must be in good condition & old. York Co., 717-456-7617.

5 GRAIN EQUIPMENT

FOR SALE
USED FARM FAN
Model AB8 Dryer
Single Phase, Like New - Will Sacrifice

FORMAN'S GRAIN & FERTILIZER
Turbotville, PA
PH: 717-649-5579

GRAIN DRYERS
NEW & USED
BINS - ELEVATORS - AUGERS
TURNKEY AUTOMATED SYSTEMS
NATURAL AIR DRYING SYSTEMS,
COMPUTERIZED OR MANUAL CONTROL.
Call 717-538-2591

Super B Circle MC GSI
SALES SERVICE
JOHN HEFTY SYSTEMS
WATSONTOWN PA

ALSO FEATURING
LONG Glass-Lined Storage Systems

5 GRAIN EQUIPMENT

For Sale: 2 Butler Grain Tanks, 12,000 bushel. 2 Jim Bean Side-blasters. Call 301-754-8573 after 7 p.m.

MID ATLANTIC BIN CONSTRUCTION
Dismantling and erecting new and used grain tanks. Call 717-933-5788.

USED EQUIPMENT: 10" transport auger; also used grain dryers. Call for details, Loucks Grain Eq., 717-755-2868.

GRAIN DRYING & STORAGE

Prompt Unloading
We Buy And Sell

Combining and Hauling

ERWIN J. MILLER & SON
(717) 656-8593
Loc: ½ Mile North of Bird-In-Hand on Beechdale Rd.

CUSTOM CLEAN UP

GRAIN SPILLS, FEED & GRAIN BIN REMOVAL

FOR BEST RENTAL RATES CONTACT.

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1248 E. Newport Rd. (717) 626-4762
Lititz, PA 17543 In PA (800) 822-2081
Servicing all makes & models Outside PA (800) 833-3041
Eastern Mobile Mills

6 DAIRY EQUIPMENT

Approx. 600 56mm ½ gal. glass bottles w/wire racks & 14 wheel dollies. Also, 1 Federal stainless steel bottle filler. 717-759-9221, Columbia Co.

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For Sale: Surge pipeline complete w/pump and 150' of 2" stainless pipe. 717-784-7459

For Sale ENERGY FREE DRINKERS VANCO
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RUBBER MATTING AND USED BELTING

- COMFORT STALLS
- FREE STALLS
- HORSE STALLS
- CATTLE & HORSE TRAILERS
- HOG PENS & HOUSES

All Sizes Available & Custom Cut
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USED BULK TANKS
All Tanks Guaranteed A-1 Working Condition

- 200 & 300 Gal Mojonniers
- 400 Gal. Steinhorst
- 400 Gal Mueller
- 400 Gal. Girton
- 400 Gal. Mojonnier
- 500 Gal Girton D4 (Like New)
- 600 Gal. Mueller "OH"
- 600 Gal Mueller M
- 600 Gal Jamesway
- 600 (SOLD) jonnier
- 625 Gal. Sunset
- 700 (SOLD) eller M
- 735 Gal. Sunset
- 800 Gal. Mojonnier
- 800 (SOLD) Laval
- 850 Gal Sunset
- 900 Gal Zero
- 1000 Gal Mueller
- 400 & 500 Gal.(Storage Tanks)

USED COMPRESSORS
3 H.P., 4 H.P., 5 H.P. — R12 & R22
24 Hrs. - 7 Days A Week - Refrigeration Service
Installation, Sales And Service
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"On Wheels"
I REPAIR:
- S.S. Milk Tanks
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24 Hour
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MILK IS MONEY-DON'T DUMP IT!
★ Fast ★ Effective Biocel ★ Safe ★ Economical
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No Drug Residue!

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Supreme TMR Mixer w/scales
30 Bushel Gas Powered Uebler Feed Cart
8' DeLaval Manure Pump - 540 PTO
Model 210 Van Dale Stationary TMR Mixer
Model 210 Van Dale Trailer TMR Mixer w/scales
Model 285 Van Dale Trailer TMR Mixer w/scales

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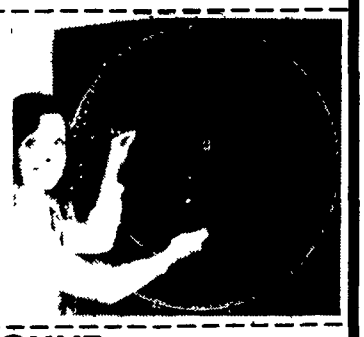
YEAR-END SPECIALS

BRAY BREEDING CALENDARS
Make your breeding program more profitable



Christmas Gift Special -
150 Cow Model $200.00

EXTRA DISCOUNT
On All New Hydrostatic Weaverline Electric Feed Carts

Fans For Your Winter Ventilation Needs

Full Line Of Sputnick Parts
Will Ship UPS

EDGEFIELD FARMS
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KEN RUTT
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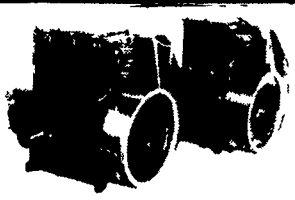
SMUCKER'S SALES & SERVICE, INC.
RD #2, Box 21 New Holland, PA 17557
DIESEL AND REFRIGERATION SERVICE

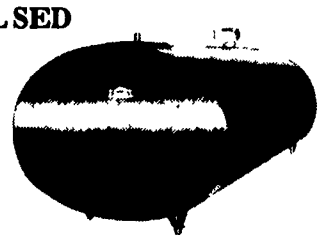
Lister DIESELS
3-150 bhp

TS2/TS3 AIR COOLED DIESELS



SUNSET SUPPLY, INC.

Authorized Dealer For
MODEL SED



Featuring:
Sunset's pre-formed heavy gauge stainless steel evaporator plate is the heaviest in the industry.

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ALSO GOOD USED TANKS AVAILABLE

Now Available
SMUCKER'S SALES & SERVICE ASSOCIATION
Diesel & Gas Engines
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8 Ton Feed Bin, one 6 & one 2 ton compartments. Like new, best offer. 717-656-6507.

Milk tank, 1500 gallon with two 5HP compressors. 215-932-8948.

500 gallon Craft ice bank milk tank w/3 yr. old compressor, $1,500.; Universal milking system complete w/2 buckets, $650. OBO. 215-847-8126

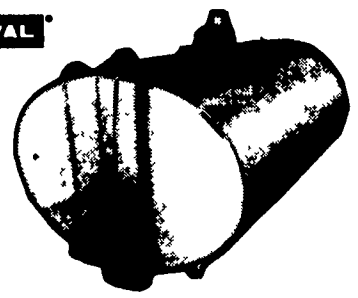
Patz feed cart, solid tires, $175; single phase 3HP elec. motor used 60 days, $150; ¾HP elec. motor, $60, Heavy JD hyd. cylinder; Int. Hyd. cylinder, $80 for both. Surge fly zapper, $50; one JD liquid fert. tank, 75 gal., $50. After 7PM, 301-452-5580.

Wanted: Used DeLaval Super-Flow claws. 717-438-3205.

Wanted: Used Surge individual stall milking parlor. Call collect 717-865-5445, Lebanon.

OUR SPECIALTY IS SALES AND SERVICE OF NEW & USED BULK MILK TANKS

DE LAVAL



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We Will Service Any Make Bulk Milk Tank

H.W. MARTIN REFRIGERATION SERVICE
501 E. Woods Dr. Lititz, PA 17543
Phone: (717) 626-6355 Ans. Ser. (717) 733-1224

USED TANKS
400 Gal. Sunset
500 Gal. Mojonnier
1000 Gal. Mueller "OH"
900 Gal. Storage Tank Available
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COZY COWMATS
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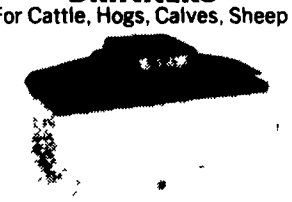
STOP
Don't Replace or Install Animal Drinkers before you investigate
Energy Free DRINKERS
For Cattle, Hogs, Calves, Sheep



Highcroft's fiberglass drinkers are specially insulated, require no electricity or heat to prevent freezing Hold ground water temperature, summer and winter Rugged, uncomplicated design for long service Easily connected to present water line

NOW...Six Models
We are probably the most experienced Energy Free drinker dealers in the East with over 5 years experience. Write or call for more information.

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SPECIAL PRICE ON 6 PENS
RAISE HEALTHY DAIRY CALVES IN A SOLAR CALF KENNEL
FROM 1 PEN TO 6 PENS

The kennel has 4-4'x8' individual pens, is on treated skids, hay racks, feed troughs, bucket racks & aspricte or fir plyboard for siding. We make them any size or color made by order. Also calf shelters for older calves or heifers.

Also: 3 Unit Tobacco Baling Press

COOPERVILLE WOODWORKS
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Or Call Charles Myers
786-1243 Call in eve.
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High Performance . . . A HiPerForm Standard Feature!

MUELLER HiPerForm

No other cooler offers so many high performance features.

Used 1000 Gal. Mueller "OH"
Other Used Tanks Available
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USED EQUIPMENT

- 2 - FR4 Bou-Matic, Vacuum Pumps Only
- 2 - 60 lb. Bou-Matic Bucket Units w/Vacuum Pulsators $250 ea.
- 1 - Stainless Steel Double Wash Vat
- 1 - Westfalia Mini Pump Handles 2 Milker Units
- 2 - DeLaval Bucket Units 40 lb. & 70 lb. Electric
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CALL FOR SPECIAL LOW PRICES ON THIS USED EQUIP.

BIOCEL® PRODUCTS
- Kendall Milk Filters -
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ON THE FARM ROUTE TRUCK SERVICE

FOR PARTS, INSTALLATION AND SERVICE ON MOST MAKES OF MILKING EQUIPMENT
CALL 717-627-1530

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WE'RE MOVING
We Need More Space To Serve You Better.
Therefore, We Are Moving To The Leola Area Early December
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Satisfied Customers Depend Upon Satisfied Work

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QUICK CHANGE KNIVES
No Bolts
STRING PROOF ROTOR
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3 SIDED BLADES
6 Cutting Edges
TRADES ACCEPTED - LEASING AVAILABLE
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THE CALUMET CO. INC. KIEMA WIS.

FALL SPECIALS
NEW 4500 Gal. Spreader Tanks
(2 Only) $9900 each

For Sale Or Lease
- Spreader Tanks - 2250 Thru 6500 Gallons
- Vacuum Tanks - 1500 Thru 4500 Gallons
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USED EQUIPMENT
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- 3250 Truck Mtd. Spreader Tank..... Call For Info.
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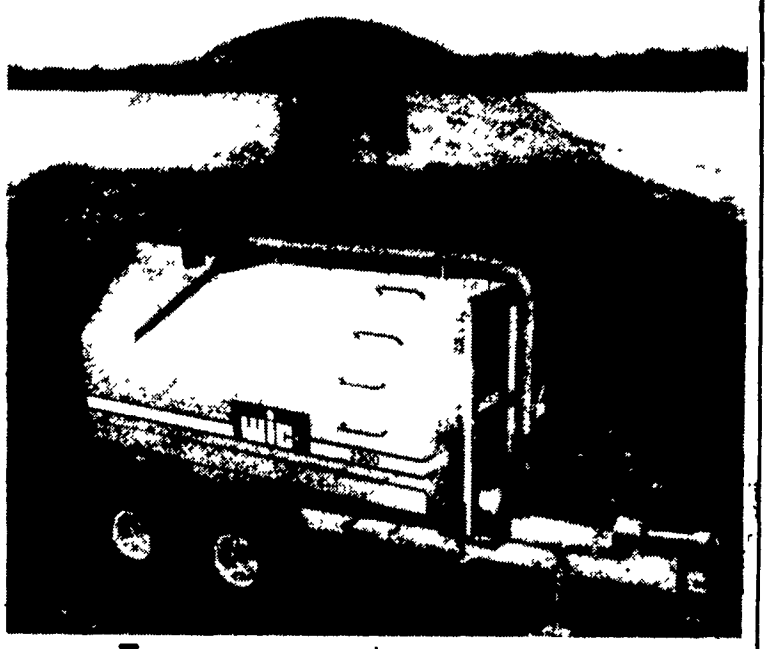
"WE'RE HERE TO SERVE YOU"

EVEN SPREAD GUARANTEED!

WIC ...Who Else Would Dare To Make This Claim?



WIC ...A Rugged, Quality Manure Spreader That Gets The Job Done

A Size For Every Need From 1875 Gal. to 4875 Gal. PLUS A TWO YEAR WARRANTY

Truck Mounted Units Available In Sizes To Fit Your Needs

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Family Store

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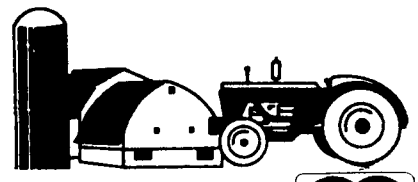

2460 New Holland Pike, Lancaster, PA 17602
¼ Mile West of Meadowbrook Farmers Market, Rt. 23, Leola
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Sale Good Thru December 13, 1985

Hours:
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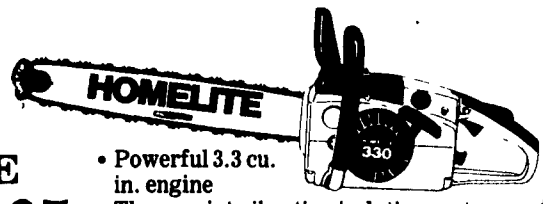
VISA

HOMELITE 330
Heavy Duty. Use To Fell Larger Trees. Cut Large Amounts Of Firewood.



16" SALE $249.95

- Powerful 3.3 cu. in. engine
- Three-point vibration isolation system
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FREE Carrying Case & Extra Bar & Chain With Purchase

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ALL FISHING TACKLE, RODS & REELS

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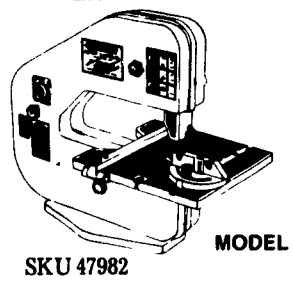
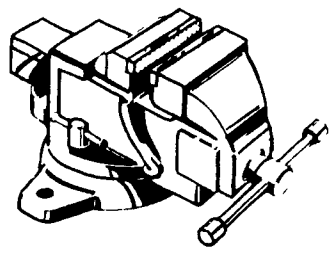
12" BENCH BANDSAW



SKU 47982
MODEL 20412

Reg $159.95
GRAND OPENING SALE
$119.95

- Cuts 4" Thick Material
- Cuts 12" Wide
- Variable Speeds To 1500 F.P.M.
- Miter Gauge & Rip Fence Standard
- Tilting Table To 45°



VISES

Size	Reg. Price	GRAND OPENING SALE PRICE
• 4"	$31.95	$24.95
• 5"	$41.95	$29.95
• 6"	$51.95	$38.95
• 8"	$67.95	$49.95

SAVE NOW ON A GARAGE DOOR OPENER*

GET A 2nd TRANSMITTER FREE!
$29.95 RETAIL VALUE

Champion Model 350

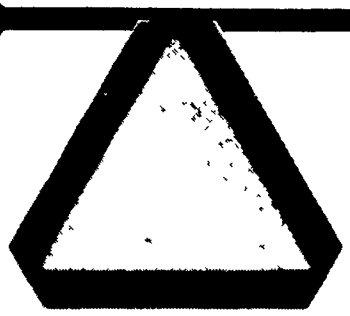
- 1/3 H P motor with industrial strength chain drive and durable steel construction
- 4½ minute light delay
- Automatic safety reverse
- 6561 security codes
- Toll free S O S Hot Line™ for pre purchase and installation information (800) 528 9131

Reg Price if Purchased Separately
$000 00
+ $29 95
= $000 00
NOW ONLY $000.00
SAVE $00.00

(Model 350 or 550 purchased between November 2 December 24 1985)

CHAMBERLAIN Consumer Products Group

SKU 95095
Reg. Price $191.69
SALE **$169.69**



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No. 1-C Direct Mounting

SKU 71375
Reg. Price $5.39
SALE **$4.29**

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Order By Mail Or Telephone...

Take Advantage Of Our Sales TODAY

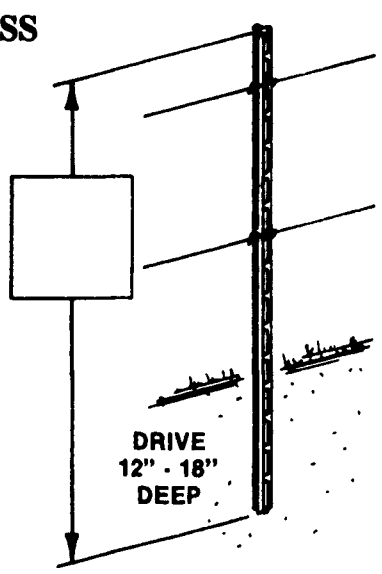
SOLAR BLITZER

Completely solid state with no moving parts It delivers a non-burning shock that lasts 1/50th of a second and is operated off of a battery that is recharged by use of solar collectors It is capable of charging 10 miles of fencing The solar collectors are a permanent part and will never det eriorate They are sealed in casting com pound and mounted on a hard plastic shield protected fully from weather It is designed to operate through 15 days of total darkness
SKU 70485

Reg. Price $135.79
SALE **$121.29**

FIBERGLASS FENCE POSTS

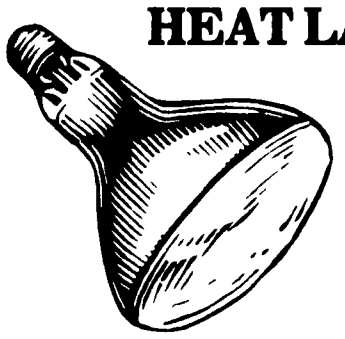
Changing The Way America Fences



Install using a tubular post driver

			Reg.	SALE
• 75461	72"x1¼"x1¼"	T-White	$5.49	$4.79
• 75462	72"x1¼"x1¼"	Gray	$4.59	$4.09
• 75463	54"x5/8"x5/8"	T-White	$1.69	$1.43
• 75464	54"x5/8"x5/8"	Gray	$1.19	$.99
• 75466	48" Round 3/8"	White	$1.49	$1.27
• 75468	48" Round 3/8"	Gray	$.99	$.83

HEAT LAMPS



- 250 Watt
- Clear Lens

71890

Reg. $1.49
SALE **$1.29**

MODELS SMV #10-B & SMV #15-B

(1) 2000 lbs rated capacity
(2) Available in two models
SMV #10-B with 10" travel length
& SMV #15-B with 15" travel length

Mfg Part No	Description	SKU	Reg Price	SALE PRICE
10-B	Screw Jack	72001	23 49	21.39
15-B	Screw Jack	72003	26 79	23.99

MODELS SMV #10-T & SMV #15-T

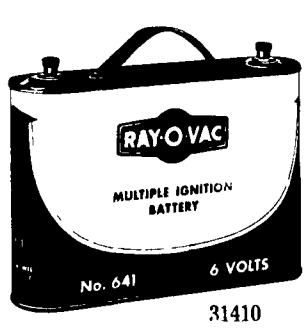
(1) 2000 lbs rated capacity
(2) Available in two models
SMV #10-T with 10" travel length
& SMV #15-T with 15" travel length

Mfg Part No	Description	SKU	Reg Price	SALE PRICE
10-T	Screw Jack	72002	23 49	21.39
15-T	Screw Jack	72004	26 79	23.99

Ray-O-Vac 6 VOLT BATTERY

$10.99
Reg. $12.99

- Great For Electric Fences



31410

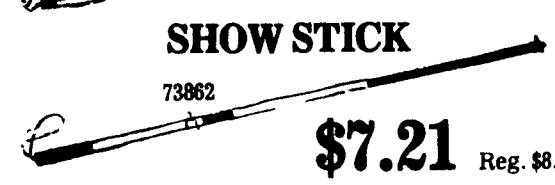
TS-36 HOT-SHOT
WITH RED HORN SHAFT

STOCK PROD 71820

$27.09 Reg. $32.09

SHOW STICK

73862



$7.21 Reg. $8.49

Mr. Cattleman,
The Master Mix Beef Feeds Growing Ton Promotion Program Ends December 31st
Act Now!

GROWING TON PROMOTION

Growing Season: September 1, 1985 - December 31, 1985

Yield Information:
Purchased at one time of **qualifying feeds.***
1.) 1.0 - 2.99 tons 50 lbs./ton free
2.) 3.0 - 17.99 tons 100 lbs./ton free } Can combine all qualifying feeds to meet tonnage requirements.
3.) 18 tons and above (one feed - one form) = 150 lbs./ton free

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Swine marketing seminars scheduled in Southeast

LANCASTER — "Marketing Swine - Are You Making the Right Choice?" will be the topic of two all-day seminars for pork producers and industry personnel. Scheduled for Dec. 17 at the Berks County Agricultural Center and the 18th at the Lancaster Farm & Home Center, the sessions are sponsored by the Penn State University and the Southeast Cooperative Extension Service.

The program will give attendees an understanding in all the available marketing alternatives. Emphasis will be placed on cash markets, contracting in pork production, forward contracting, using the future's market and the future of swine production in Pennsylvania.

The agenda is as follows:

Morning

9:30 Registration-Coffee & Donuts

9:45 Getting underway

10:00 "Marketing - Making The Most Of What You Got" - Ken Kephart, Penn State Extension Swine Specialist. A review of cash markets in Pennsylvania and how to use them.

11:00 "Market Changes On The Horizon" - Lou Moore, Penn State Extension Agriculture Economist. A look at the changes in the pork industry.

Noon Lunch

Afternoon

12:45 Berks Session – "Providing Complete Contract Feeding" - Lloyd Hoover, Sales and Service Rep., White Oak Mills; Lancaster Session – "Contract & Marketing Services" - Ray Lehr, Vice-Pres. & General Manager Pennfield Corporation

1:30 Understanding Future Markets - Lou Moore

2:00 Forward Contracting and The Futures - PACMA Programs - Michael A. Orndorff

3:00 Questions and Answers

Cost of the programis $7.00 which includes handouts, coffee, donuts, lunch and other workshop expenses. To register or for more information, call Chet Hughes, Lancaster County agent at (717) 394-6851 or Clyde Myers, Berks County Agent at (215) 378-1327.

Wayne Extension offers steer selection tips

HONESDALE — The 1985-86 Wayne County 4-H and FFA Market Steer Feeding Program will be starting soon. This 4-H and FFA project is open to all young people in Wayne County with an interest in feeding, caring and managing a 4-H or FFA market beef steer.

To meet the 4-H membership requirement, young persons must be at least eight years old by Jan. 1, 1986 and not have passed their 19th birthday as of the same date. The participant must also belong to any one of the 4-H agricultural or community clubs here in Wayne County. To meet the FFA membership requirement, the young person must be enrolled in or be active in a vocational agriculture program.

If you are selecting a beef steer for the first time, here are a few tips to consider:

1. Select a feeder calf that currently weighs about 500 pounds. Keep in mind that a finished market steer should weigh about 1,000 pounds at fair time. The average beef steer is capable of gaining at least two pounds of weight per day. The 1985-1986 beef steer feeding period will involve about 250 days. If the average beef steer can gain 2 pounds per day over this 250 day feeding period, this will result in a gain of about 500 pounds and should result in a beef steer that weighs about 1,000 pounds at fairtime in early August, 1986. This is why we recommend all project members to start with a feeder calf in the 500 pound weight range, born in early 1985 - late February, March or April, 1985.

2. Select a well-bred beef animal that is 100 percent beef blood. This can be either a purebred or a grade beef animal, or an animal which is the result of a cross of two beef breeds. Market steers can be crossbreds like Angus - Hereford, Charolais - Angus, Charolais - Hereford, Angus - Chianina or any other cross of two beef breeds. Steers with dairy breed animals in their pedigree are not eligible for use as market beef steers in this program.

3. Select a beef steer that is well-started, showing growthiness, good body conformation and some muscling throughout its body.

4. As soon as you purchase a steer, check for external parasites like lice and grubs and treat with an approved medication. Have the animal castrated if this job hasn't already been completed. Its probably a good idea to allow the steer at least a week to get acclimated to his new surroundings before doing some of these jobs.

It's recommended that all steer projects be started in November or early December.

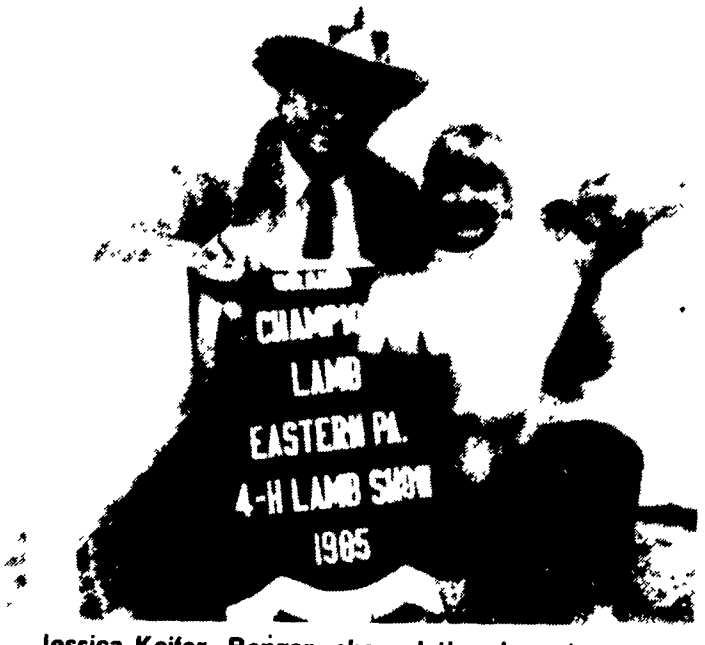
All 4-H and FFA market beef steers should be placed on full feed no later than December 16, 1985. This date is also the absolute deadline for enrollment in this project.

Young, growing beef steers should be fed grain at a rate of 2 percent of their body weight. If a 500 pound steer was fed at this rate, it would be consuming 10 pounds of feed per day. Growing steers also should have access to good hay, a salt and mineral box plus plenty of clean, fresh drinking water.

All of the 4-H and FFA market steers will be exhibited at the Junior Market Steer Show held as part of the Wayne County Fair. The steers are grouped by weight and judged on their market type or market qualities. The project members are also judged on their fitting job and the showmanship of the steer. The steers are then sold through the Wayne County Junior Livestock Sale.

E. Pa. 4-H Beef and Lamb Show winners

The Eastern Pennsylvania 4-H Beef and Lamb Show and Sale was held on Nov. 15 and 16. Danny George (left) of George's Foodliner bought the champion steer shown by Kelly Wentz of Lehighton.



Jessica Keifer, Bangor, showed the champion market lamb. Buyer here was also Danny George.

Beef Briefs

by Dr. Lester Burdette

Penn State Extension Beef Specialist

How To Survive in the Beef Business

Most cattle producers look at the current market with a gleam in their eye. But how was it during the first two-thirds of the year? Many feeders had losses running from $75 to $150 per head. Some who stayed with a set of cattle too long waiting for that elusive price rise may have had losses of over $200 per head. That's hard for anyone to forget...especially your banker.

The red meat industry is in constant change. Consumers don't have allegiance to a product. You are going to have to fight for your share of the market and the consumers' dollar either through price, convenience of product or advertising.

When did the last really new beef product hit the market? The "Where's the Beef" add helped keep beef before the public for a while, but something new is needed now.

We complain about the "bum rap" beef gets in the national news media. To the average consumer the true facts about meat and beef are what they heard on the last "Network News" program. Many consumers think beef is too fat, loaded with cholesterol, and to be avoided if possible.

All is not gloom and doom however. Today's consumers spend more than twice as much of their income on beef as on pork, and more than three times as much as for poultry. This indicates to me that they like and prefer beef. This difference, however, is slipping, so don't think it can't change further.

Consumers are constantly changing. The blue collar worker who prefers beef is now in the minority. A large portion of todays housewives work. They want convenient as well as nutritious food. A slow cooking pot roast doesn't fit today's working mother's idea of a convenience food.

So, how are you changing your operation to meet the challenge of your changing market? Can you cut your cost of production? Do you understand your competition such as the commercial feedlot, the hog producer, or the broiler producer?

It's been said that the average broiler is grown using about 85 percent of the available technology, the average hog using 75 percent but the average steer only about 50 to 60 percent of the proven cost effective technology. This indicates the scope of the problem but also indicates that many producers could do much more to cut costs.

Let's look at some of this technology. Where might it fit into your operation?

Crossbreeding. Crossbreeding can add 20 to 23 percent to the total weight weaned in a herd without changing to different types of cattle. Most benefits of crossbreeding accrue to the cow herd owner and not the feedlot operator. We can make rapid changes in cattle type by crossbreeding to add muscle or marbling if they are needed. The largest portion of the improvement occurs in using a crossbred cow bred to a third breed of bull. Just using a bull of a different breed from the cow only gets about one third of the potential benefit of crossbreeding.

Ear Implants. These are really very cost effective result, on the average, in a nine-to-one return. All feedlot cattle and all suckling calves which will not be used for breeding should be getting an implant.

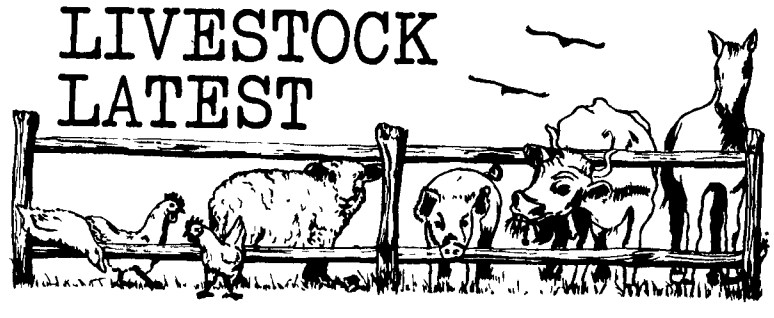
Feed Additives. MGA for heifers and Rumensin or Bovatec for both steers and heifers reduce feed costs and often improve rate of gain. Implants and additives should be used in combination for maximum benefits.

Parasite Control. Worms, lice, and flies rob you of potential profits. Products available today are very effective compared to those we had available 25 or 30 years ago. Nearly all cattle should be treated for worms and lice at least once a year.

Vaccines. There are vaccines for most of the major disease problems encountered today. You need to discuss the common problems encountered in your community with your veterinarian and decide just which combination of products would be cost effective for you.

Balanced Ration. I am constantly confronted with the fact that the average cattleman has little knowledge of nutrition. We need to supply all the needed nutrients at an economical level so there is a chance for a profit. Daily cost to maintain a cow or replacement heifer should be a major consideration with a cow herd. The feedlot operator needs to get the most economical gains possible. Many county agents and feed company representatives now have very good computer programs available to help you.

Managing Risk. The bloodbath suffered by many in the past year will stimulate interest in improving the business aspects of cattle raising. Today with forward contracting, futures and options, much of the time a progressive cattle feeder can manage risks. The problem is that you can't really manage risks unless you really know what your costs of production are under several sets of conditions. Just putting the cattle industry in Pennsylvania on a better business basis would do a lot to improve profitability and improve its image.



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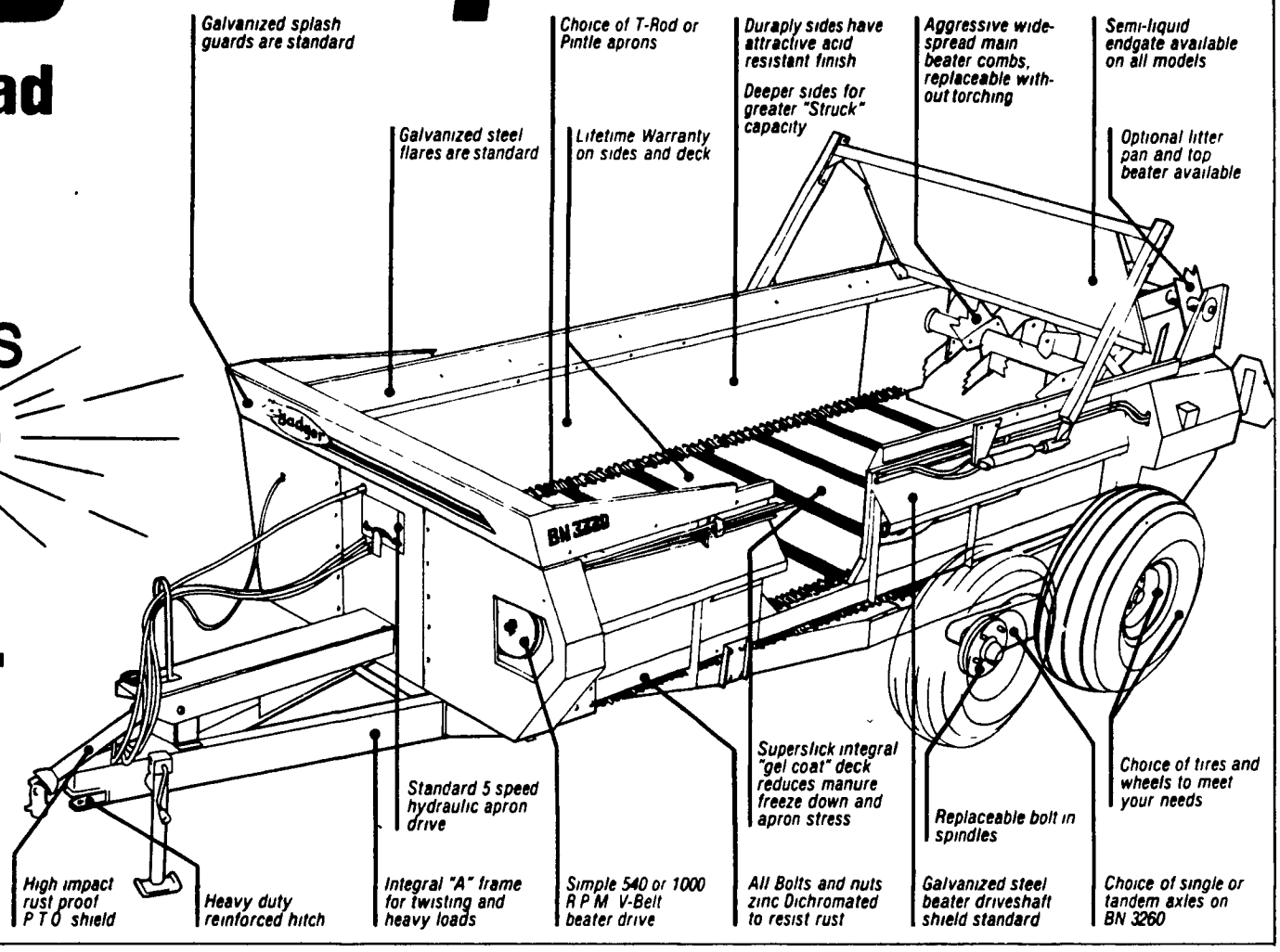
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Smart marketing: a must for the pork industry

BY RICHARD BARCZEWSKI
University of Delaware

NEWARK, Del. — I recently attended the National Meeting of the Association of County Agricultural Agents in Hershey, Pennsylvania. It was a great opportunity to talk to other county agents across the country about their programs and problems.

One of the highlights of the meeting was a presentation given by Dr. David Kohl, an extension economist from Virginia Tech. The title of his presentation was "The Financial Picture of Agriculture — Yesterday, Today, Tomorrow." He suggested that many of the problems farmers face today are the result of increasing debt load in the areas of farmland and machinery.

During the 1950s and 1960s, Kohl said, a large part of the farm debt was in operating costs. However, due to inflation and expansion on many farms, in the 1970s the debt load increased and shifted to fixed costs. Dr. Kohl feels there will have to be a 25-percent roll-back in production of all agricultural commodities over the next 15 years, since current technology and productive capabilities continue to increase agricultural output.

In addition, he said red-meat producers must be aware of changes in the American diet and life-style. As consumption of red meat continues to decrease, there is less demand for red-meat products in the U.S.

After hearing this talk I was a little depressed — to say the least. I sat down and started to think of ways to better the situation. It seems to me that the farmer who produces red meat must, first and foremost, do anything and everything to make his business profitable. How can he do this? I wish I had an easy answer.

One thing for sure — he must keep records to stay abreast of his current economic situation. Working in extension for only a few short months has taught me that most farmers seek help much too late. Keeping on top of the financial situation on your farm will help you realize when action is necessary to stay in business.

Secondly, producers need to keep up with what consumers are demanding. Right now, and I believe for a long time to come, consumers want lean, easy-to-prepare products from the red-meat producer. If we don't deliver, the poultry and fish industries will gladly take up the slack. This means not only that farmers must produce leaner products, but also that the food industry must develop and merchandise easy-to-prepare red-meat products. Living in a family where my wife and I both work, I can assure you that the easier the meal is to prepare the more likely we are to buy it. Meats which are hard to prepare or take a long time to cook are saved for those times (not very often) when our schedules allow.

The National Pork Producers Council currently is proposing federal legislation that calls for a mandatory check off of all hogs marketed. I know there's some opposition among producers to making the checkoff mandatory. I'd like to tell you why I feel it's a good idea.

First, all producers benefit from the current non-mandatory program. It's only fair that if you benefit from a program, you should support it. The National Pork Producers Council promotes the qualities of pork as a food and funds research into the development in new pork products and more profitable production practices. Every producer (foreign and domestic) benefits from this promotion and research. The checkoff money (0.3 of one percent of value or 30 cents per $100 of hog value) is an investment in the development and production of a better product.

Two NPPC promotional programs are the Pork Blitz, which will continue through January, and the October Pork Fest. Both should have a positive effect on pork sales for all producers.

With current hog prices lower than last year and some 1986 outlooks projecting an even further decline, it's good to know that somebody is trying to sell more hogs for us. No single grower can have the impact that a national association does on the sales of a commodity, and that's why I favor the mandatory checkoff. I only hope Dr. Kohl's projections for the future are incorrect. But when you're in business, it's important to be ready for any situation.

Perhaps it can all be summed up the way he ended his presentation: "failure to prepare is preparing to fail."

Winners named in Cumberland Co. calf judging contest

CARLISLE — Several 4-H and FFA club members from Cumberland and surrounding counties participated in a steer calf judging contest held in conjunction with the club calf sale on Nov 16th at Line Limousin, Carlisle. Three non-reasons classes were judged immediately before the sale and quiz questions were used as tie-breakers.

Winners in the senior category were as follows: first, John Myers, Dallastown; second, Jason Boyer, East Berlin; third, Travis Sherman, Abbottstown; fourth, Don Sullivan, Gardners.

In the junior category the winners were: first, Michelle Sullivan, Gardners; second, Sonja Shearer, Abbottstown; third, Kevin Miller, Bedford; and fourth, Todd Rabenold, Kutztown.

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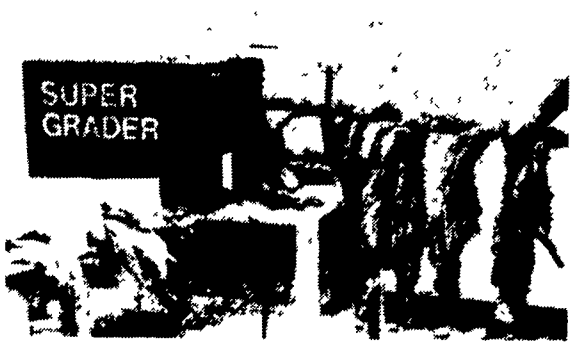

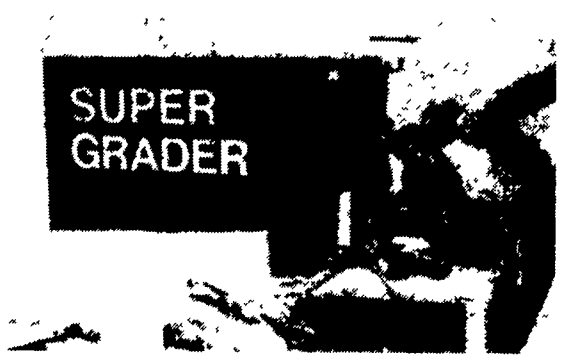

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Region's farmers pouring money down the drain?

COLLEGE PARK, MD. – Farmers in the East don't have their backs to the wall like their brethren in the Midwest. But are they sqandering money or, worse yet, pouring good money down the drain?

Chances are, the answer is yes if they haven't had their soil tested recently.

Soil tests show farmers and homeowners the kinds and amounts of nutrients their land needs to produce healthy crops.

Says Dr. Allan Bandel, a professor in the University of Maryland Department of Agronomy: "A good soil test may well show that you have been using too much, too little, or the wrong kind of fertilizer. Or it could show that your crops are starved for only one element that could be added to your present fertilizer program."

Bandel, who is also head of a task force charged with helping farmers reduce pollution of the Chesapeake Bay, suspects that some farmers may be over-fertilizing their land. The task force is developing nutrient management programs for farms that will maximize crop production and profits and minimize nutrient loss, which may lead to pollution of the Chesapeake Bay.

Farmers mat be overfertilizing, says Bandel, by using the same dose of commercial fertilizer year after year, without regard for changing soil conditions. Or, they may be applying too much nitrogen and phosphorus on the land when they spread manure.

Excess nitrogen and phosphorus are costly and can run off the land during rainfall and eventually finds its way into groundwater, rivers, streams, and the Chesapeake Bay itself.

A recent federal study indicates that part of the decline of the Bay can be attributed to an excess of nitrogen and phosphorus running off of farmland and into the estuary.

Soil tests, Bandel believes, can help alleviate this problem and save farmers money because the costs of fertilizer are high.

Soil testing is easy, he adds.

"Contact your county Extension office and ask for a soil sample kit. Instructions on how to take the sample and get it tested are included in the kit," he says.

A regular soil test costs $4 and results will show texture, pH, and levels of magnesium, phosphorus, and potassium. Soil tests samples should be mailed to:

Soil Testing Laboratory
The University of Maryland
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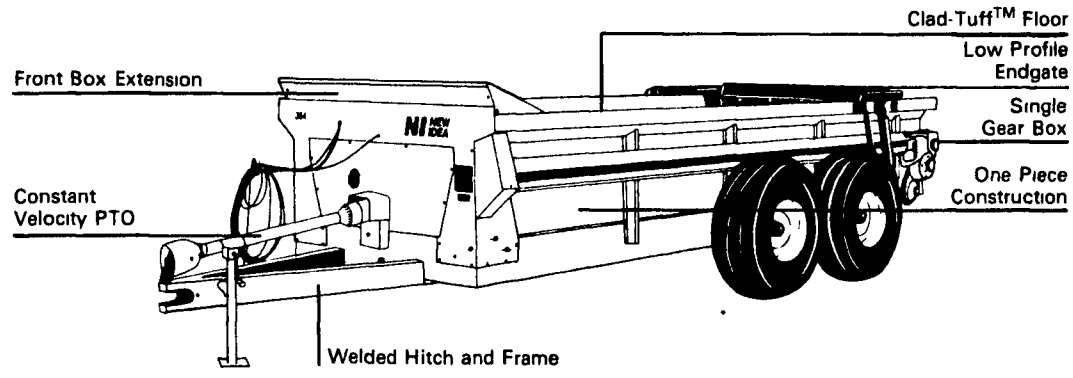

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BUSINESS UPDATE

Pennfield names swine manager

LANCASTER, Pa. — Mark R. Miller was recently named Swine Operations Manager for Pennfield Corporation, 711 Rohrerstown Road, according to Ray S. Lehr, Vice President of Feed Marketing. As such, he will be responsible for developing and implementing swine breeding and growing programs; the establishment of proper facilities for the care and housing of all phases of the hog business as well as determining marketing requirements within the division.

An Iowa native, Miller received a B.A. in Agricultural Education from Iowa State University; and a B.A. in Management Systems and Personnel from Buena Vista College; and is currently working towards an MBA at the University of South Dakota.

Miller was formerly with Land O' Lakes Inc., where he started in 1977 as a swine seedstock sales and production manager, Fort Dodge, Iowa, and most recently served as swine specialist in Sheldon, Iowa. Prior to joining Land O' Lakes, he was operations manager for Canyon Feed Pig, Canyon, Texas.

Miller and his family will be relocating to the Lancaster area in the near future.

Mark R. Miller

Hesston adds 37-hp tractor

HESSTON, Kan. — Hesston Corporation has extended its 66 Series utility tractors lineup into the under-40 horsepower class with the addition of the Model 45-66. This compact, low-profile, 37-horsepower tractor offers all the standard performance features of the company's larger utility models. Available in two- and four-wheel drive, the 45-66 has a 12-speed synchronized transmission standard, is five inches lower in profile and five inches narrower than other 66 series models, yet is a much heavier tractor than many in the 30 to 40 horsepower class.

"The 45-66 is Hesston's first entry in the below 40 horsepower market," said Product Sales Manager Ken Garrett, "but, it still offers the technologically-advanced Fiat engine, heavy-duty construction and many deluxe features not generally found in this horsepower class."

Garrett noted that this model is especially suited for areas in the South and Southeast, where farms are generally smaller.

"But, its compact size and competitive price makes it ideal for part-time farmers and many other applications," he said. "For instance, being able to use high flotation tires on this low-profile model also opens up ground-skeeping and other mowing applications."

Twenty-four-inch rear wheels are standard on the 45-66, and spur gear final drives are used, providing excellent drawbar clearance.

Two optional transmissions are available for this model to meet more specialized needs – a 12F/12R mechanical shuttle (reverser) transmission for loader needs, and a 20F/8R creeper transmission for special low-speed applications.

Other distinctive features of the 45-66 utility tractor include high capacity 3-point lift, exclusive Lift-O-Matic push button control for lifting/lowering of the 3-point, hydrostatic power steering and fully independent 540 rpm PTO.

"We are also developing a loader specifically for this model which will be available in 1986," Garrett said. "Because of these deluxe features, Hesston's power efficiency, and its unique size, the 45-66 really sets a standard for the industry in its horsepower class."

45-66 UTILITY TRACTOR

The new Model 45-66 37-horsepower tractor from Hesston.

FFA urged to take global view

CHRISTCHURCH, NEW ZEALAND – More than 250 young farmers from 50 nations were told that agriculture must become a truly global industry if it is to survive, prosper, and meet the enormous challenges of feeding a world population of six billion people by the year 2000.

Speaking to delegates of the Fifth World Congress of Young Farmers, (Nov. 11-16) at Christchurch, New Zealand, Dale A. Miller, vice president of the Velsicol Chemical Corporation's Agricultural Business Group, advocated the elimination of narrow political and national interests and the adoption of global perspectives to solve the problems of providing an adequate world food supply, hunger in developing nations, and the proper, planned development of farm production worldwide.

"We all know the problems that can develop when agriculture is not approached from the global perspective," said Miller. "It's happening right now! We see the 'unfair' trade practices, the export subsidies, the protectionism–each causing a maze of distortions.

"All nations eventually suffer. When the machinery of world trade is not running smoothly, the agricultural industry becomes stagnant. And since we can't seem to grasp any creative alternatives, we turn inward toward farm policies that frighten me and should frighten you."

Miller spoke of the explosive demand for farm products during the 1970s and how the annual value of world agriculture had grown from $95 billion to $200 billion a decade later. He also drew delegates' attention to the dramatic, even catastrophic, reductions in agricultural production that have occurred in the U.S. since 1981.

"Reduction in production has created problems--perhaps problems greater than those it was meant to solve," said Miller. "A fifth of the United States labor force depends on agricultural production for a livelihood. That's 24.1 million persons in various segments of agribusiness. It is absurd to subject them to on-again, off-again production policies. I believe it would be absurd for any country."

Miller maintained that conventional arguments for reducing agricultural production capabilities did not make sense. However, this doesn't mean that there are easy alternative solutions.

"No single program anywhere in the world will turn the tide," said Miller. "No nation working alone will make the difference. No segment of the economy will make the difference.

"But if we put our collective minds together, as you are doing in this Congress, if we keep looking at agriculture broadly from a global standpoint, as you are doing in this Congress, then the answers will come."

Miller quoted estimates that by the year 2000 there would be two billion more mouths to feed on this planet and that 80 percent of the world's population would be concentrated in developing nations. Aid was only a temporary measure–a "response" to hunger. Sharing agricultural expertise was much more permanent a "deterrent" to hunger, and the governments of many nations had contributed to such programs. According to Miller, however, this was not enough.

"If we are going to help agriculture do the work that needs to be accomplished during the next 10 to 15 years, and beyond, we must provide this support from outside the political arena," said Miller. "We can build a strong agricultural base for the future and, in doing so, also be helping developing countries. There is no reason why we can't all be winners."

Dale A. Miller

Addressing the issues discussed by Miller, the World Congress examined the role of young farmer organizations in industrialized countries and how such groups might help solve the agricultural problems of developing nations.

One important result of the Congress, according to Lennie Gamage, FFA international program director, will be the establishment of a permanent structure for the World Congress of Young Farmers–a private, non-profit organization which will serve as a voice for the world's young farmers and continuing advocate for the goals of the Congress.

Velsicol sponsored the 10-member United States delegation to the World Congress in New Zealand, including a tour of Australian and New Zealand agriculture. The delegation included the Future Farmers of America's (FFA) four Star Farmers of America; FFA's Star Agribusinessmen of America; one national FFA officer; FFA's international director and the assistant executive director of the National FFA Foundation.

New Idea unveils manure spreader line

COLDWATER, Oh. — New Idea Farm Equipment Division is introducing its new 360 Series Manure Spreader line. The new line consists of four conveyor type models ranging from the Model 361, a 180 bushel capacity, up to the Model 364, a 390 bushel capacity spreader. All four models in the 360 Series feature a one-piece, galvanized steel box construction that is seam free to reduce leakage. Each model is equipped with a constant velocity PTO, reducing stress on the drive line and gearbox. A single gearbox has been developed for the 360 Series to drive both the beater and the conveyor. It is totally encased for protection against weather and corrosion. An added plus on the new 360 Series is the Clad-Tuff™ Floor to make the spreader floor more durable than ever. This technology uses a Fiberglass Reinforced Plastic bonded to the wood floor. The Clad-Tuff™ floor allows the material to move more freely and provides superior protection against weathering and chemical erosion.

"The 360 Series Spreader line has been developed to give spreader operators what they want," says Mr. Tom Kinzenbaw, Vice President, Marketing. "After carefully evaluating dealer and customer requests for spreader features, our product development team emerged with the 360 Series Spreader line. The real challenge throughout the development was to build a spreader with these features and still meet their price requirements. We met this challenge with the 360 Series. Through total company efforts and new manufacturing techniques, we have been able to reduce our list prices by thousands of dollars. These spreaders have the most sought after features at a very competitive price."

The new model 364, a manure spreader with a 390-bushel capacity.

New heating unit

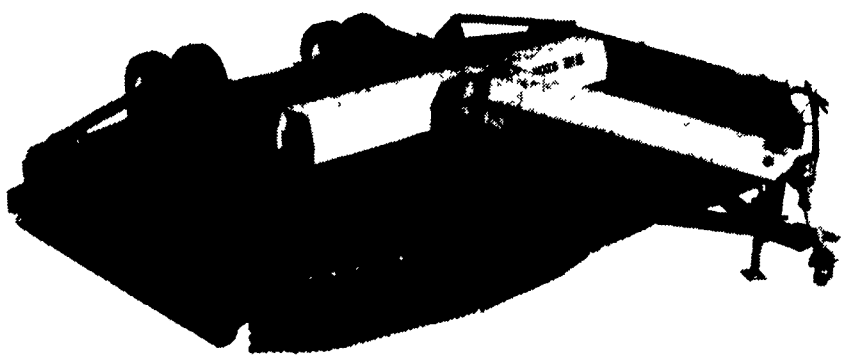
SYRACUSE, NY – A new one-of-a-kind oil heating unit for forced air furnaces is being offered by Agway Energy Products in the Northeast.

The Eneroil Comforter Furnace and Comfort Plus flue gas condensing unit can cut fuel consumption by as much as 50%. Through a unique patented design, the unit utilizes almost all the heat normally lost up the chimney in conventional heating systems. In fact, so little heat is lost, that a chimney is not necessary. Combustion by-products are merely vented to an outside wall by a small plastic pipe.

The new unit is a proven performer under even the harshest of winter-time conditions. For the past several years, units have been tested by home owners in Canada and the Northeast. Results show that up to 95 cents of every fuel dollar is used to heat their homes. This compares from 60 cents to 80 cents with more conventional units.

The Eneroil systems are supplied in the United States by the EnerRoyal Technologies Corporation, a new company based in Syracuse, NY.

WOODS model 215 | rotary mower-shredder



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Ground-driven tillage tool unveiled

MENDOTA, IL – A ground-driven tillage tool, called Dyna-Drive is now available from Hart-Carter Company.

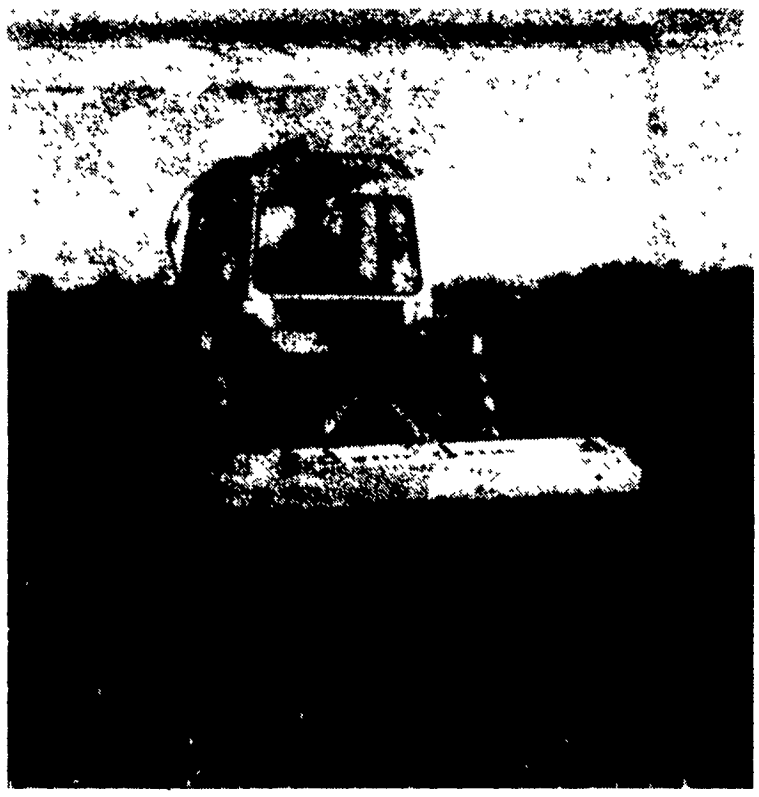
Dyna-Drive utilizes twin rotors, each operating at a different speed to provide optimum soil conditioning for an ideal, well-drained, weather-protected seedbed. No PTO or gear box is required.

The unit is a close following tillage tool that leaves a seedbed exceptionally level with uniform tilth and fewer and smaller clods than a disc/harrow or field cultivator. Dyna-Drive should reduce fuel costs and mean less strain on tractor. Depending on soil conditions, one-pass tillage is very possible.

Dyna-Drive features twin rotors with paddle-shaped tines in a spiral pattern spaced every 4 1/2", resulting in ground contact every 2 1/4". The front tines rotate at about one-half ground speed. This provides a lifting and soil fracturing action. The rear tines rotate three times faster than the front, breaking up clods–leaving an ideal seedbed for planting.

Models range from 7 to 15 feet in working width. Working depth is adjustable from 1 1/2 to 5 1.2". A crumbler roller (see photo) is standard equipment.

For literature, write or call Hart-Carter Company, 1501 1st Ave., Mendota, IL 61342. Ph 815/539-9371.



No PTO or gear box is required to operate the new Dyna-Drive from Hart-Carter Company, Mendota, Il. Dyna-Drive Utilizes twin rotors, each operating at a different speed to provide optimum soil conditioning for an ideal, well-drained, weather-protected seedbed.
For literature, write or call Hart-Carter Company, 1501 1st Ave., Mendota, IL 61342. Ph 815/539-9371.

Service guide published

KEARNEY, NB. – Farmers who want longer service from their equipment can find practical advice in the 1986 Farm Equipment Maintenance & Filter Guide.

According to Larry Rupert, Director of Research, at J.A. Baldwin Mfg. Co., the average farmer gets less than 4,000 hours of operation from a tractor before it needs an overhaul. Industry experts claim some tractors can operate up to 6,400 hours before needing an overhaul if proper maintenance practices are followed, he said.

"Proper maintenance is important all the time, but it is especially critical during these times of economic stress for farmers," Rupert commented. "The book contains numerous suggestions about how to get longer service from equipment whether it involves attending to a dust evacuator or selecting the right lubrication for irrigation engines."

Rupert said suggestions for preventive maintenance covers oil and lubrication systems, hydraulic filter installation tips, as well as possible answers to common problems.

Other topics covered in the Farm Maintenance Guide are: "Selecting The Right Tractor Engine Oil"; "Full System Maintenance" and "Air Filter Precautions." In addition, the guide features cross-references for filter replacements for virtually all makes of farm equipment.

Free copies of the Baldwin 1986 Farm Equipment Maintenance & Filter Guide are available by contacting the nearest Baldwin Filter distributor, or by writing Farm Marketing Dept., J.A. Baldwin Mfg. Co., Kearney, Nebraska 68847-0610.

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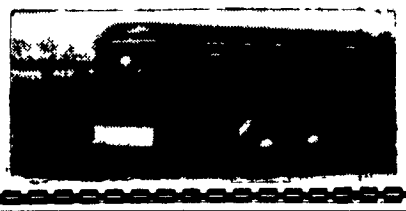

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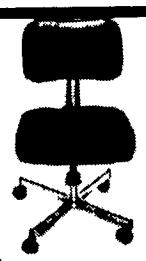

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FFAers shown the benefits of ROPS

KANSAS CITY, MO — To prove a point, the Farm and Industrial Equipment Institute (FIEI) turned over a tractor in its exhibit at the Future Farmers of America's Agricultural Career Show in November. The impact drew major attention from youngsters from all parts of the country.

FIEI, in collaboration with other safety, farm and manufacturer's organizations, exhorted the more than 20,000 FFAers and their advisors to "Save lives with ROPS." The overturned tractor demonstrated graphically how a Rollover Protective Structure (ROPS) and safety belts can protect farmers in the event of a tractor rollover.

The tractor rested on its ROPS in the Career Show booth, "protecting" a dummy which was strapped into the seat.

Meanwhile, a video edited from manufacturer's rollover tests played nearby. One scene showed the full weight of a non-ROPS tractor crashing a test dummy beneath it following a backflip. Another scene showed a large four-wheel-drive tractor balancing on its ROPS-strengthened cab roof as it rolled down an enbankment. Viewers gasped at the contrast.

The display was not the only FIEI contribution to farm safety at the FFA convention. For the 15th consecutive year, FIEI and Dow Chemical Company sponsored Chapter Safety Awards for outstanding FFA chapter safety projects in 1985. This year's contest produced 21 gold medal winners, 47 silver medal winners and 77 bronze medal winners.

The ROPS display is important, said Institute President Emmett Barker, because experts estimate that only one in four tractors in the field have them — even though ROPS have been available for nearly 20 years. Thus, safety organizations and farm organizations, manufacturers and dealers have launched a communications program encouraging farmers to install ROPS to take advantage of their obvious safety benefits.

FIEI, the National Safety Council, the American Farm Bureau Federation, the National Farm & Power Equipment Dealers' Association and the National Institute for Farm Safety co-sponsor the ROPS Promotion Task Force, a joint committee which will launch a multi-media campaign to encourage ROPS and safety belt installation and use in 1986. The FFA display booth was the task force's first major activity.

The ROPS and safety belt combination is a proven success. Though more than 50 percent of tractor rollover accidents result in fatalities, there have been no known deaths when rollover accidents occurred with ROPS-equipped tractors whose operators were wearing safety belts.

"I was surprised at just how many kids said they knew someone who was involved in a rollover accident — all in tractors without ROPS," said Missouri Extension Safety Specialist David E. Baker, who helped staff the FIEI booth. "They were very receptive to the display and its inherent safety message."

In the two-and-a-half-day exhibit, booth staffers distributed nearly 6,000 information sheets about ROPS.

Chicago-based FIEI, founded in 1893, is the major trade association for manufacturers of farm, light industrial and construction equipment in North America.

For more information on FIEI or on the ROPS program, contact the FIEI office at 410 N. Michigan Avenue, Suite 680, Chicago, IL 60611 (312) 321-1470.

Energy cost-cutting guide available

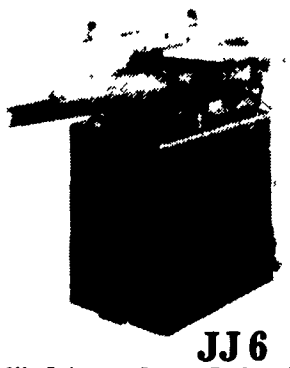
SHIPPENSBURG — The Pennsylvania Energy Center for Region VI at Shippensburg University is offering a free publication to consumers: **"The Home Energy Cost Cutting Guide for Pennsylvania."**

This free 144-page guide will take the confusion and guesswork from many energy-saving techniques. Information on insulation, home weatherization, wood stoves, solar energy, and tax credits are only a few of the many topics covered.

This highly readable book is provided as a public service by the Governor's Energy Council and is available by calling toll-free the PA Energy Center at 800-692-7312, or writing to: PA Energy Center for Region VI, 201 Gilbert Hall, Shippensburg University, Shippensburg, PA 17257.

CHRISTMAS TIME SPECIALS

DELTA POWER TOOLS



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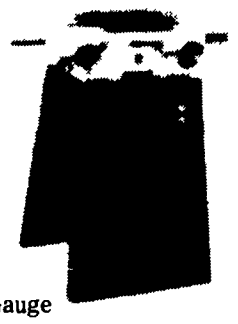

JJ 6

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JBS-14MW

14" Wood/Metal 3 Speed Band Saw, ¾ H.P. 1 Phase, w/Miter Gauge

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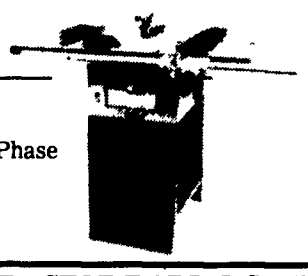

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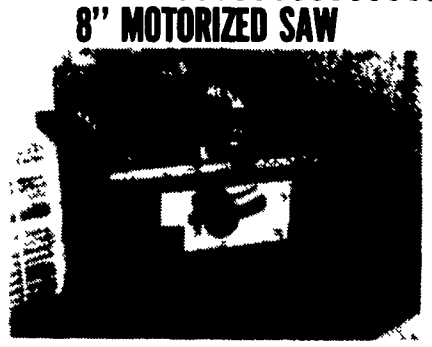

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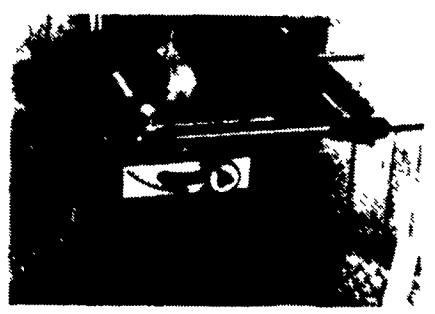

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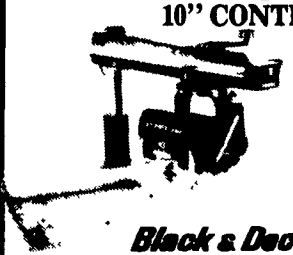

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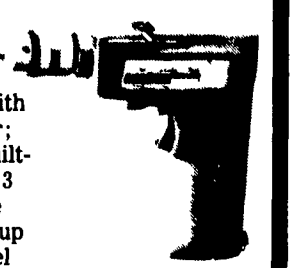

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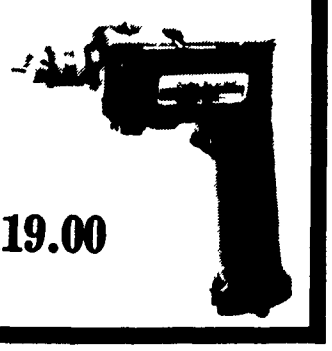

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FMC's 'command' controls velvetleaf

PHILADELPHIA – Following one of the most extensive experimental use permit (EUP) evaluations ever conducted, FMC Corporation is ready to launch Command®, a new preemerge herbicide for soybeans.

University research and grower trials conducted throughout soybean producing states demonstrate Command has season-long efficacy against most economically significant grasses and broadleaf weeds.

Additional excitement has been generated because Command is the first and only preemerge herbicide that provides effective, season-long control of velvetleaf.

Joe Sipia, product manager for Command herbicide, notes that many growers who were originally eager to try Command primarily because of its control of velvetleaf, now see it as their primary herbicide for control of grasses and other broadleaf weeds.

Sipia notes that farmers and researchers who have tested Command throughout soybean producing states report that, as they evaluated side-by-side comparisons of Command and other preemerge and preplant incorporated herbicides, the Command plots generally provided equal or slightly better grass control and better control of most broadleaf weeds than the standards.

"This, in addition to velvetleaf control, makes Command a very useful herbicide. Not only for growers who have velvetleaf, but for others as well," says Sipia.

Sipia also notes that, as expected, Command has provided excellent control even when dry conditions prevailed in the weeks following application.

"This was no surprise to us because we knew from our laboratory work and small plot trials that Command generally requires less soil moisture than other preemerge herbicides for activation." he said. "Of course, all soil-applied, selective herbicides require some moisture for activation.

"We couldn't have picked a better year to test the efficacy of Command under dry conditions, and we are pleased that evaluations from both researchers and farmers bear out the fact that Command is effective under dry conditions.

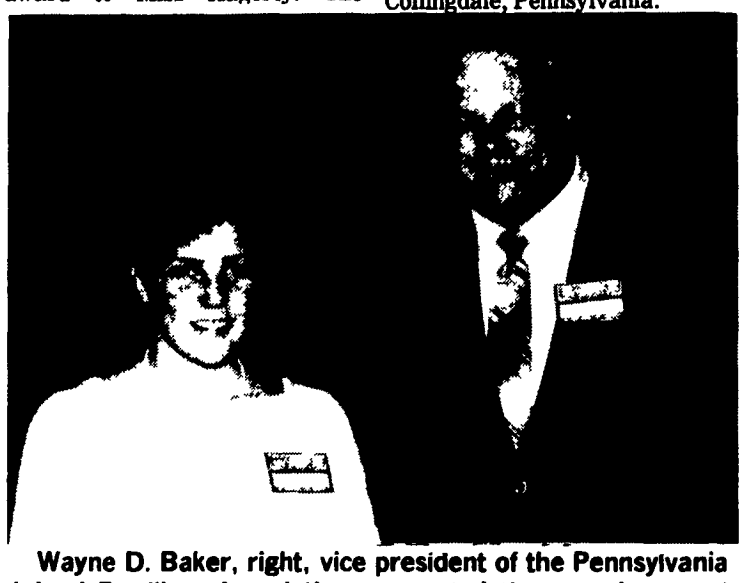
"In many areas, Command is going to get a lot of attention because of its activity on velvetleaf. But, as those who tried it in the EUP quickly found out, one of the strongest benefits of Command is that it will provide excellent control of grasses and other broadleaves as well, thus making Command a product which can serve as the basic herbicide in a farmer's weed control program."

Scholarship awarded

YORK – Cheryl Hagerty, a junior majoring in agronomy at Penn State, is this year's recipient of the Donald W. Parke Scholarship sponsored by the Pennsylvania Inland Fertilizer Association.

Wayne D. Baker, Vice President of the association, presented the award to Miss Hagerty. The Pennsylvania Inland Fertilizer Association, which is comprised of the fertilizer blenders and manufacturers doing business in Pennsylvania, sponsors educational and quality control programs for the fertilizer industry.

Miss Hagerty is the daughter of Joseph and Barbara Hagerty of Collingdale, Pennsylvania.



Wayne D. Baker, right, vice president of the Pennsylvania Inland Fertilizer Association, presented the group's annual Donald W. Parke Scholarship award to Penn State junior Cheryl Hagerty, left.

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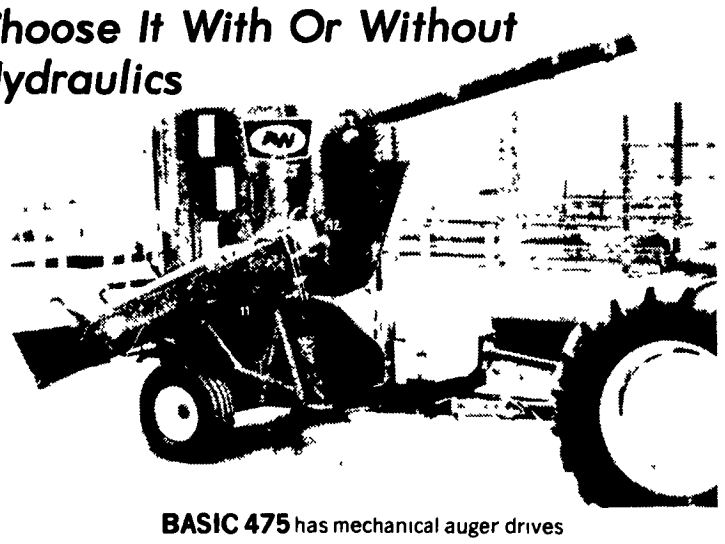

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The Senate's 'landmark' Farm Bill... a summary

WASHINGTON — The Senate Saturday, by a vote of 61-28, passed and sent to a House-Senate conference H.R. 2100, an omnibus farm bill reauthorizing the major Federal farm programs.

The four-year farm bill reduces loan rates for wheat, feed grains, cotton and rice, sets target prices for those program commodities, reauthorizes other commodity programs, extends and expands export programs of the U.S. Department of Agriculture, contains strong, new, soil conservation provisions and strengthens the credit programs of the Farmers Home Administration.

The cost of the main commodity provisions of the bill is projected to be more than $50 billion over the next three fiscal years. The Congressional Budget Resolution, passed the beginning of August, assumes $38.8 billion for agriculture programs.

Senator Jesse Helms, Chairman of the Agriculture Committee, voted against final passage of the bill, and said that despite improvements made to the bill during Senate action, it still fails to make changes in farm programs necessary to restore health to American agriculture.

"The bill passed by the Senate contains many improvements over the bill reported by the Agriculture Committee," said Helms. "Fortunately, we were able to reduce the cost of the bill by about $10 billion through the amendment process, and other desirable changes were made in the bill."

"As I have said, there is much in this bill that is good. However, it continues many policy flaws found in current law. While the movement to market-oriented loan rates makes this landmark legislation by setting the stage for American agriculture to become competitive again, the direct subsidies are still set at levels that will encourage surplus production. Billions of dollars of income supports will still be paid out indiscriminately, resulting in billions of dollars of payments to the largest farmers who need the help the least. And, the bill calls for spending far in excess of the targets set by Congress in the budget resolution."

"I am encouraged by the progress and improvement made on the floor. I think we have a very good chance to shape a bill in conference that will be both good policy and fiscally sound. These are the two tests that must be met if we are to produce a bill the President will be able to sign," said Helms.

"The conference committee should begin its work by the first or second week in December. If the conferees can work together toward the goal of a bill that is good policy without breaking the budget, I believe we can have a farm bill enacted by the end of the year," concluded the Chairman.

Major provisions of the bill include:

EXPORT TITLES:

--Expands the intermediate export credit program to authorize the guarantee of loans of 3 to 10 years and requires loan guarantees at the following levels: no less than $500 million for fiscal years 1986-88, and no more than $500 million for fiscal year 1989.

--Requires the Commodity Credit Corporation to make available at least $5 billion in short-term export credit guarantees for each of the fiscal years 1986-89.

--Extends the Agricultural Export Credit Revolving Fund.

–Requires the Secretary to use at least $325 million of CCC funds or CCC commodities in each of the fiscal years 1986-88, and such funds and commodities as the Secretary deems necessary for each of the fiscal years 1989-91, for export assistance for U.S. commodities adversely affected by the foreign subsidies, import quotas, or unfair trade practices used by other countries.

–Requires the Secretary to sell for export at least 150,000 metric tons of CCC-owned dairy products in each of the fiscal years 1986-88.

–Requires that at least $2 billion of CCC-owned commodities be used to enhance and encourage the export sales of U.S. agricultural commodities during fiscal years 1986-88.

--Exempts certain U.S. Department of Agriculture export programs – those referred to as "commercial" sales programs– from cargo preference requirements, including those which use CCC stocks to enhance U.S. agricultural exports, the "blended credit" program, and short-term credit programs. Cargo preference requirements on "concessional" sales programs (Public Law 480 and section 416 of the Agricultural Act of 1949) will be increased from the current 50 percent requirement of 75 percent over a period of three years, as follows: a 10 percent increase in 1986 and 1987, and a third increase of 5 percent in 1988. Funding for the increased share in Cargo preference requirements will be through the establishment of a borrowing authority in the Department of Transportation.

P.L. 480:

–Requires that at least 25 percent of the value of title I sales, or 500,000 metric tons (whichever is greater), but not more than 50 percent of such sales be sales for foreign currencies. The foreign currency generated by these sales will be converted into dollars over a 10- to 30-year time period, the conversion to begin on a date 10 years after the sale of the commodities.

–Authorizes the President to enter into agreements with financial intermediaries in foreign countries under which the President would lend the foreign currency generated from commodity sales to the intermediary for the purpose of making loans to finance private enterprise investment within a developing country at reasonable rates of interest.

–U er title II, requires the distribution for nonemergency purposes of 1.9 million metric tons in each of fiscal years 1986 through 1989, of which at least 1.425 million metric tons must be distributed

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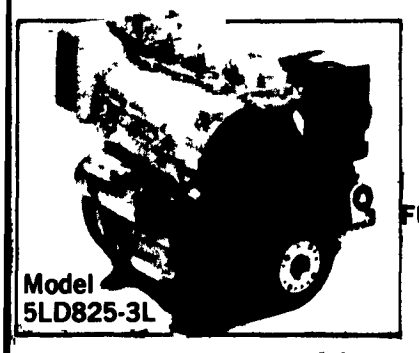

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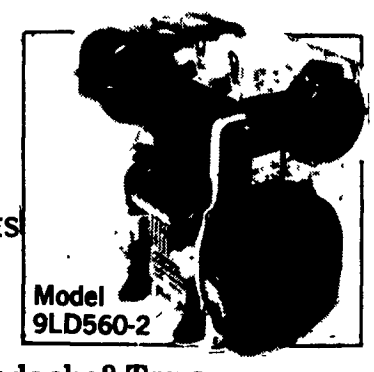

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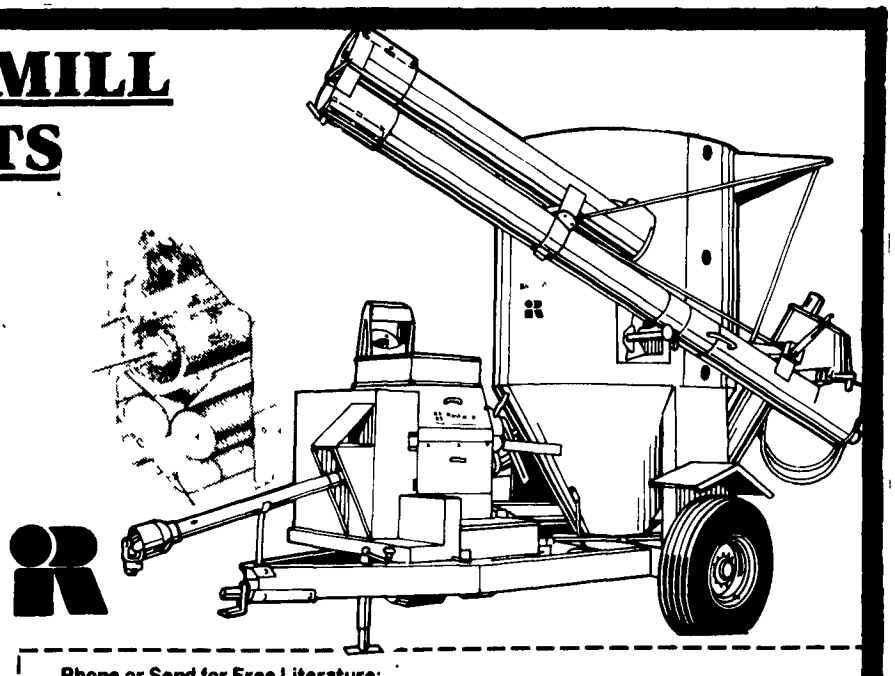

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Senate's Farm Bill

(Continued from Page D11)

through private nonprofit voluntary agencies.

--Authorizes the sale (monetization) of commodities provided to nonprofit voluntary agencies and cooperatives under title II and also under section 416.

--Lowers the aggregate minimum value of title III Food for Development agreements from 15 percent of the aggregate value of all title I agreements to 10 percent.

–Broadens the Secretary's authority to distribute eligible commodities under section 416 of the Agricultural Act of 1949 to include all commodities and products acquired by the CCC.

–Authorizes the President to donate up to 500,000 metric tons of eligible section 416 commodities in each of the fiscal years 1986 through 1989 under a new Food for Progress program to promote private free enterprise policy and development. In return for the commodities, the recipient country must promote economic freedom in the production of food for domestic consumption and must be able to use the donated commodities without disrupting its own domestic agricultural markets.

–Requires the President to designate a Special Assistant for Agriculture Trade and Aid to assist and advise the President on U.S. domestic and foreign food assistance programs, to coordinate and streamline the administration of food assistance programs, and to recommend ways to increase and encourage the use and consumption of U.S. agricultural commodities through food assistance.

DAIRY:

–Continues the current $11.60 per hundredweight support price for milk until January 1, 1987. On that date, the Secretary would be required to reduce the support price 50 cents per hundredweight if milk price support purchases are estimated to exceed 5 billion pounds of milk equivalent for the succeeding 12-month period. On January 1 of succeeding years, for the life of the bill, the Secretary would be required to drop the support price $1 if purchase estimates exceed 10 billion pounds; 50 cents if estimated purchases are between 5 and 10 billion pounds; and authorized to raise the price 50 cents if estimated purchases are 2 billion pounds or less.

–Requires the Secretary to conduct a study of the differentials used to adjust the minimum price for class I milk under Federal milk marketing orders, to study the feasibility and desirability of a payment limit for the dairy program, and report to Congress within 1 year of the date of enactment.

–Extends requirements for transfer of dairy products to veterans' hospitals and the military and extends the dairy indemnity program.

–Expresses the sense of the Senate against the imposition of an assessment on dairy farmers to finance any program to reduce production.

WOOL AND MOHAIR:

–Extends the price support program for wool and mohair through December 31, 1989, continuing the support level for wool at 77.5 percent of an amount determined under statutory formula and continuing the support level for pulled wool and mohair in relation to the level for shorn wool.

–Establishes a limitation of $50,000 in the amount of payments a person may receive in any year under the wool program.

–Expands the authority of the Secretary to enter into or approve agreements for advertising and sales promotion programs which may be conducted outside of the United States, to include programs for U.S. wool and sheep in addition to such programs for mohair and goats.

WHEAT:

–Sets the 1986 wheat loan rate, if marketing quotas are not in effect, at not less than $3.00 per bushel; thereafter, for the life of the bill, sets it at between 75 and 85 percent of the average price received by producers during the immediately preceding 5 marketing years, excluding the high and low years. The loan rate could not be reduced more than 5 percent in any one year.

–The Secretary is authorized to reduce further the loan rates by not more than 20 percent if the average market price of wheat in the previous marketing year is not more than 110 percent of the loan rate for that year. Any such reduction would not be considered in determining the loan level for any subsequent year.

–If marketing quotas are in effect, the loan rate for wheat would be the higher of 75 percent of the national average cost of production of wheat or $3.55 per bushel. Target prices would be the higher of the national average cost of production of wheat or $4.65 per bushel.

–The Secretary is required to permit the repayment of loans at the lower of (a) the original loan rate or (b) the higher of (i) 70 percent of the original loan rate (ii) if the loan level is reduced using the so-called Findley provision, 70 percent of the loan rate that would have been in effect but for such a reduction, or (iii) the prevailing world market price, as determined by the Secretary.

–If marketing quotas are not in effect, requires the Secretary to make available deficiency payments to producers for the 1986 through 1989 crops of wheat based on a sliding scale of specific acreage reduction requirements. Producers may choose their own target price and corresponding acreage reduction as follows:

(Turn to Page D13)

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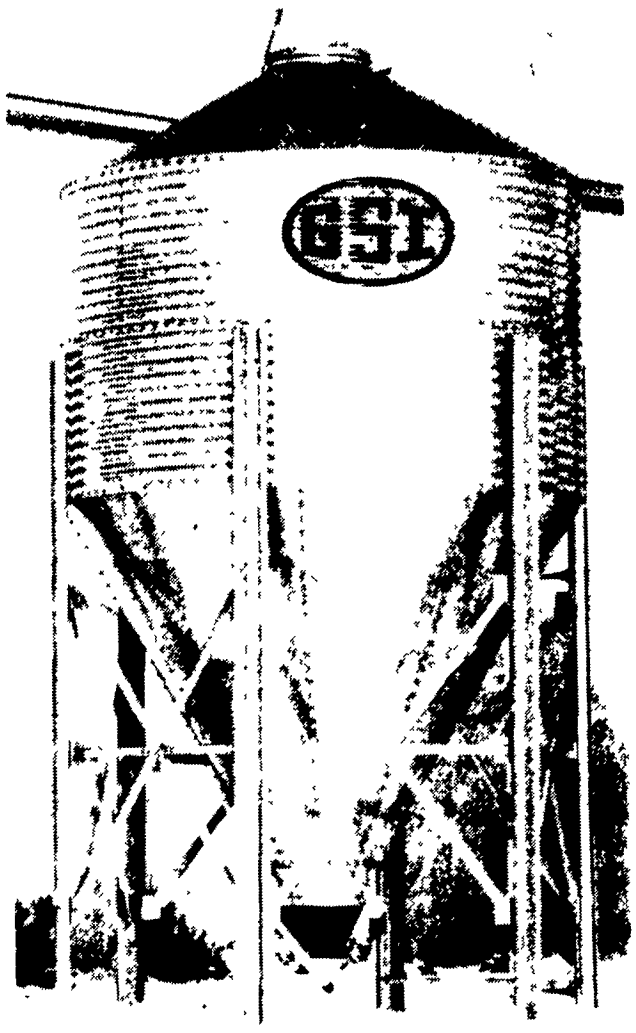

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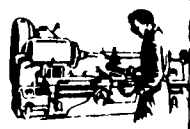

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Senate's 1985 Farm Bill

(Continued from Page D12)

ARP percentage	1986	1987	1988
10	--	-	$3 80
15	$4 20	$3 95	$3 95
20	3 85 on the first 2,000 bushels	3 66 on the first 2,000 bushels	3 66 on the first 2 000 bushels
	4 65 on the next 18,000 bushels	4 42 on the next 18 000 bushels	4 42 on the next 18 000 bushels
	4 15 on more than 20,000 bushels	3 94 on more than 20,000 bushels	3 94 on more than 20 000 bushels
30	4 85	4 60	4 55
35	5 15	4 85	
40	5 50		

–For the crop year 1989, the target price is set at such level as the Secretary determines appropriate but not less than 85 percent of the 1985 target price.

–For the 1987 and 1988 crops the Secretary is required to make inkind payments to producers in amounts necessary to ensure that the effective target price is the same as for the preceeding year.

–Requires that target price deficiency payments be calculated on a 12-month average price instead of the current 5-month average market price.

–Requires the Secretary to make prevented planting and reduced yield disaster payments available to producers for whom Federal crop insurance is not available.

–Authorizes the Secretary to increase the maximum acreage reduction by 5 percent if estimated carryover would be more than 33 percent of annual usage of wheat.

–Acreage reduction authority would be terminated after the 1988 crop. The Secretary must announce any such programs by July 1, with authority to change the program until July 31. The acreage base would be the average acreage planted to wheat in the 5 immediately preceding crop years. The program yields would be frozen at the average program yields for the 1981 through 1985 crops. Haying and grazing in 1986, and grazing for the life of the bill, of the acreage required to be devoted to conservation uses would be permitted at the option of the States ASC committee.

--Authorizes land diversion payments.

–Authorizes the Secretary to make payments available to producers who forgo obtaining a loan, who forgo receiving deficiency payments, who do not plant wheat for harvest in excess of the farm acreage base reduced by one-half of any acreage limitation, and who otherwise comply with the provisions of the bill. Payments would be made in the form of wheat owned by the CCC, subject to availability, and would be in amounts equal to the loan payment rate (the amount by which the original loan rate exceeds the level at which loans may be repaid) multiplied by the amount of wheat the producer is otherwise eligible to place under loan.

–Requires the Secretary to conduct a poll not later than April 1, 1986, to determine whether producers favor conducting a marketing quota referendum for wheat. Eligible producers would be those who produced wheat during at least one of the 1981 through 1985 crop years. If 50 percent of those polled favor a referendum, the Secretary would,

(Turn to Page D14)

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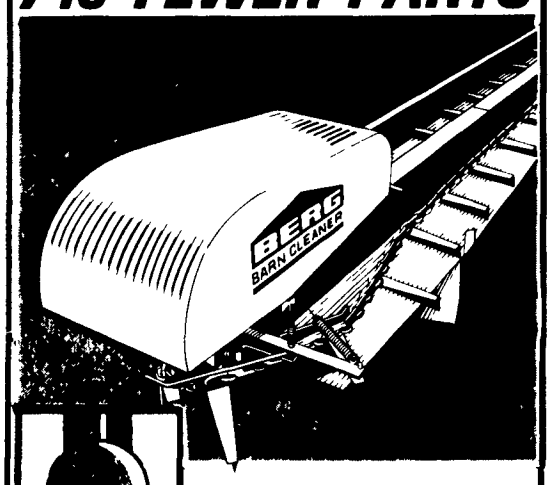

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Senate's 1985 Farm Bill

(Continued from Page D13)

be required to conduct it by August 1, 1986. If approved by at least 60 percent of the producers, marketing quotas would be in effect for the 1987 through 1989 crops.

FEED GRAINS:

–Sets the 1986 loan rate at not less than $2.40 per bushel for corn. For succeeding years for the life of the bill, the same formula and limitations would be used as those for wheat.

–The Secretary is required to permit the repayment of loans at the lower of (a) the original loan rate or (b) the higher of (i) 70 percent of the original loan rate, (ii) if the loan level is reduced using the so-called Findley provision, 70 percent of the loan rate that would have been in effect but for such reduction, or (iii) the prevailing world market price, as determined by the Secretary.

–Requires the Secretary to make available deficiency payments to producers for the 1986 through 1989 crops. Producers would not be required to plant more than 50 percent of their base in order to qualify for such payments. The target price for corn is set at $3.03 per bushel for the 1986 crop.

–The Secretary may reduce the cash target price for the 1987 through 1989 crops by up to 5 percent from the cash target price established for the previous year. However, for the 1987 and 1988 crops, the Secretary must make in-kind payments equal to the 5 percent cash reduction to ensure that the effective target price for the particular year is the same as the cash target price for the preceding year.

–Requires that target price deficiency payments be calculated on a 12-month average price instead of the current 5-month average market price.

–Requires prevented planting and reduced yield disaster payments for producers for whom Federal crop insurance is not available.

–Authorizes acreage reduction (with a maximum limitation of 15 percent of the acreage base) and set-aside programs. Such authorities would be terminated after the 1989 crop. The Secretary must announce any such programs by November 15.

–The acreage base is set in the same manner as that for wheat. The program yields would be frozen at the average of the program yields for the 1981 through 1985 crops.

–Authorizes the Secretary to increase the maximum acreage limitation by 5 percent if estimated carryover would be more than 33 percent of annual usage of the particular commodity.

–Authorizes land diversion payments.

–Authorizes the Secretary to make payments available to producers who forgo obtaining a loan, who forgo receiving deficiency payments, who do not plant feed grains for harvest in excess of the farm acreage base reduced by one-half of any acreage limitation, and who otherwise comply with the provisions of the bill. Payments would be made in the form of feed grains owned by the CCC, subject to availability, and would be in amounts equal to the loan payment rate (the amount by which the original loan rate exceeds the level at which loans may be repaid) multiplied by the amount of feed grains the producer is otherwise eligible to place under loan.

MISCELLANEOUS PROVISIONS:

–Maintains the $50,000 payment limitation and the $100,000 disaster payment limitation. Exempt from the limit are: any gain realized by repaying a loan for wheat, feed grains, cotton or rice at a level less than the original loan level; deficiency payments for wheat and feed grains received as a result of a reduction in the loan level under the so-called Findley provision; and loan deficiency payments and inventory reduction payments received for wheat, feed grains, cotton or rice.

–Provides that CCC may not sell any of its stocks of wheat or feed grains at less than 115 percent of either the current national loan rate or the original loan level where repayment of the loan is at a level less than the original loan.

–Authorizes the Secretary to make advance deficiency payments in amounts he determines appropriate to encourage participation. Such payments may be made in CCC commodities or negotiable certificates redeemable in CCC commodities.

–Allows the Secretary to permit a producer to plant a second crop of a commodity on acreage diverted from production if the producer has historically produced two commodities on the same land in the same year.

–Authorizes the establishment of a beef promotion board to administer a beef promotion program. The program will be funded by a $1 per head checkoff at the point of sale, including imported beef. A credit of up to 50 cents per head is provided for assessments paid to State beef councils. The program will begin as soon as practicable, and a referendum of beef producers must be held within 18 months of the beginning of the program.

–Establishes a pork promotion board to operate a pork promotion program, funded by a ¼ of 1 percent checkoff of the sales price of swine and imported pork products. The checkoff is refundable at the request of the producer until a referendum is approved by pork producers. A referendum must be held within 12 to 24 months of date of enactment of the bill.

–Requires payments to producers of the 1985 crop of sunflowers based on the higher of $2.00 per hundredweight or $35 per acre.

–Provides that a buyer purchasing a farm product takes it free of a security interest created by the seller, even though the security interest is perfected and the buyer knows of its existence; unless the buyer, within the preceding year, has received written notice of the security interest, including any payment obligation imposed on the buyer, and the buyer has failed to perform the obligation. Also carves out an exemption for States that maintain a central lien filing system.

SOYBEANS:

–For the 1986 and subsequent crops, continues the current formula setting the loan at 75 percent of the average price received by farmers for soybeans during the preceding 5 years, excluding the high and low years. The minimum loan rate is established at $4.25 per bushel.

–For the 1985 crop, producers are eligible to receive a payment based on $1 per bushel or $35 per loans on the 1985 crop at $5.02 per bushel, or, if a producer has not placed any portion of his crop under loan, agreeing to forego placing any portion of his crop under loan.

–Producers who agree to repay their loan within 60 days after enactment of the bill will have interest on the loans forgiven.

–Producers who have marketed their 1985 crop of soybeans are also eligible to receive such payments. Up to 15 percent of the soybean payment may be paid in commodities to the extent they are available in CCC inventory.

–Provides that the Secretary may not require participation in any production adjustment program as a condition of eligibility for soybean price support, that soybeans are not eligible for any reserve program, and that the Secretary may not make storage payments to farmers for storing soybeans.

–The Secretary is authorized to make disaster payments on the 1985-1989 crops of soybeans.

HONEY:

–For the 1986 through 1988 crops of honey, the Secretary is authorized to support the price of honey through loans and purchases at levels he determines will maintain the competitive relationship of honey in domestic and export markets. Beginning

(Turn to Page 15)

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Senate's Farm Bill

(Continued from Page 14)

with the 1989 crop of honey, the program is terminated.

CONSERVATION:

–Includes "sodbuster" and "swampbuster" provisions that provides that any person who produces any agricultural commodity on highly erodible land and certain wetlands will be ineligible, as to any commodity produced that crop year, for payments and assistance under government agricultural programs.

–Establishes a conservation acreage reserve program of 40 million acres of erosion-prone land. At least 5 million acres must go into the reserve in the 1986 crop year, another 10 million acres in each of crop years 1987, 1988, and 1989, and the final 5 million acres by the close of crop year 1990. The Secretary is given authority to enter into contracts with producers of 7-15 years. At least 5 million of the total acres entered into the reserve must be devoted to trees. Also required is a 50 percent cost sharing in establishing the appropriate cover crops for the reserve. In determining the acceptability of contract offers, the Secretary is required to give priority to producers facing the highest degree of economic stress.

RESEARCH:

–Generally extends the current agricultural research programs. Authorizes the Secretary to enter into cooperative agreements with private agencies, organizations, and individuals on a cost sharing or cost reimbursement basis for the development of new agricultural technology. Includes research to develop new and alternative industrial uses for agricultural crops as high priority research for competitive grants, and research to formulate new uses for farm and forest products, and designates the Department of Agriculture as the lead agency for establishing appropriate controls for the development and use of the application of biotechnology to agriculture.

CREDIT:

–Consolidates the FmHA farm ownership and farm operating loan programs into one lending program with an annual authorization of $4 billion annually for FY 86-88, apportioned as follows: FY 86–$2 billion for direct loans, of which not less than $260 million must be used for farm ownership loans, and $2 billion for guarantees, of which not less than $260 million must be used for ownership loans. FY 87–$1.5 billion for direct loans, of which not less than $195 million must be used for ownership loans, and $2.5 for guarantees, of which not less than $325 million must be used for ownership loans; FY88–$1 billion for direct loans, of which not less than $130 million must be used for ownership loans, and $3 billion for guarantees, of which not less than $390 million must be used for ownership loans. The Secretary may shift up to 20 percent of the funds for loan guarantees into the insured loan fund.

–Participation in the crop insurance program in encouraged by restricting access to the emergency disaster loan program to eligible producers who have suffered physical losses and eligible producers who do not have access to Federal crop insurance.

–Requires the Secretary to establish a 3-year interest rate buydown program for FmHA guaranteed loans, funded at a level of $490 million over 3 years. Eligible guaranteed loan borrowers can receive up to a 2 percent buydown.

–The current cap on emergency disaster loans is retained at $500,000. The bill requires that disaster loans be made available to producers in disaster counties who double crop if they have experienced a 50 percent loss on one crop.

ANIMAL WELFARE:

–Requires the Secretary of Agriculture to issue new regulations governing laboratory animal research and transportation. These regulations will cover such areas as:

–the exercise of dogs and the maintenance of an environment to promote the physchological well-being of primates;

–consideration of alternatives to research procedures involving pain;

–the use of adequate anesthetics, analgesics, and tranquilizers in animal research;

–the establishment of institutional animal committees to inspect the research facility and to ensure compliance with animal standards; and

–annual training of research scientists and technicians in humane practices of animal maintenance and experimentation.

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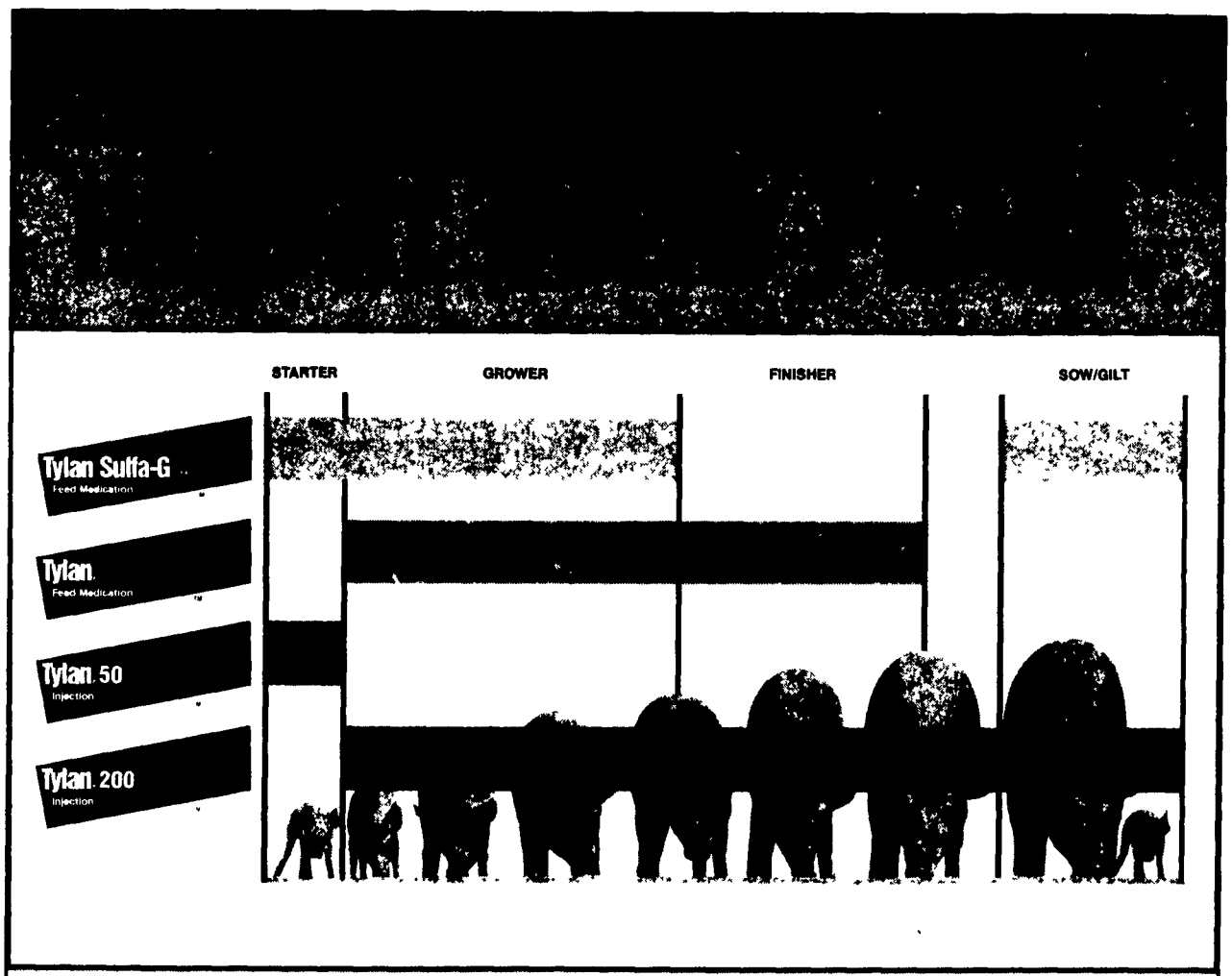

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CUMBERLAND COUNTY DHIA Monthly Report

October, 1985

Cumberland County Dairy Herd Improvement records show that 5,171 cows in 84 herds were on production testing in October according to Duane G Duncan County Agent Of the 68 herds on DHIA, 35 herds have an average fat production of 600 pounds During the month 83 completed their 305 lactation with 650 lbs of butterfat DGIA Supervisors working with the dairymen to improve efficiency include Harold Boldosser 130 Old Gap Road, Carlisle, PA John Rolar R#2 Box 97, Newville, PA, Owen McCulloch R#2 Box 333 Newville, PA, and Shane Henry, R#3 Newville, PA The Following are the highest of actual butterfat in 305 days or less in the county during the month The age listed is her age at the time of freshening

Owner	Brd.	Age	No. Cows	Days In Milk	Lbs. Milk	Lbs. Fat
JB Brymesser & Sons 405		B3	5	26,597	959
Robee Acres Almira		3	6	20 625	916
Kenneth Zeigler Sons Millie		3	7	23 620	884
Berkheimer Farms 145		B3	5	21,965	878
Oscar Nealy & Sons 22		3	6	21 867	870
Lee G Davidson Angie		3	5	22 368	843
Merle & Sharon Dice 6		B3	9	19,223	831
Ed Brackbill-R Yost 78		B3	7	21,047	820
Milk Way Farms 41		3	3	20 726	820
Norman Hertzler Babe		3	6	26,674	811
Oscar Nealy & Sons 73		3	6	22,893	811
Robert-Margaret Smith Butterb		3	7	21,794	806
Berkheimer Farms 33		B3	5	22,185	805
John F Stamy Jr 176		3	3	16,769	796
JB Brymesser & Sons 484		3	4	24,465	784
D Clinton Sauder Charmin		3	3	18,945	780
Ashcombe Farms 151		3	4	20,258	777
Milk Way Farms 3		B3	13	21,258	775
Kenneth Zeigler Sons Pearl		3	10	18,358	770
Chester C Weaver Apple		3	5	21,491	761
Button		B3	6	19,299	755
Francis Mains Farm 1 45		3	8	20,631	751
Robee Acres Maxie		3	5	22,790	749
Chester C Weaver Cider		B3	4	21 645	747
Ashcombe Farms 222		3	6	24,632	746
Kenneth Zeigler Sons	3	50	92	19,756	724
David E Gettle	B3	52	86	18,687	706
M Thomas Sheaffer	3	57	84	19,311	687
J David Martin	B3	43	89	18,576	677
Carl Kelso Jr	B3	58	92	18,769	672
Alfred Gaisler	B3	45	89	18 694	672
Marlin Miller & Sons	B3	39	87	18,473	662
Nevin Shughart	B3	30	87	18,034	656
Leroy Showaker & Son	3	82	85	17,518	647
Milk Way Farms	B3	157	87	17 288	644
Ashcombe Dover Dairy	B3	194	86	19,034	641
John F Stoltzfus	3	47	86	18 758	635
Ashcombe Farms	B3	204	87	17,905	634
Fred B McGillvray	3	37	87	17 683	633
J Shephard Wolff	3	47	89	18,131	631
Robee Acres	3	101	90	17 795	631
Amos Z Sauder	B3	39	86	16,638	631
Allen B Martin	G3	42	87	18,105	628
Ed Brackbill-R Yost	B3	64	89	16 220	628
Herbert B Shughart	3	26	89	17 816	625
Clifford Chamberlin	3	41	85	16 471	620
Donald M Leatherman	B3	38	87	16 794	619
J Glenn Glesner	3	51	90	16,207	619
Norman Hertzler	3	34	87	20,274	617
D Clinton Sauder	B3	49	88	17,789	617
Leon N Reiff	B3	38	84	16,829	617
Highland Vue Farms	B3	22	92	15,953	616
Chester C Weaver	B3	76	91	16,276	611
Thrush Brothers	3	103	84	16,222	611
Roy L Miller	B3	44	86	17,029	610
Lee Davidson	3	62	87	16,783	609
Samuel D Shenk	B3	60	88	17,317	608
Berkheimer Farms	B3	149	85	16,990	604
George P Wickard	B3	34	88	17,568	603
Daniel L Martin Jr	B3	5	83	18 281	601
Robee Acres Almira		6	20,625	44	916
Maxie		5	22,790	33	749
Cleo		4	19,152	36	696
Norman Hertzler Babe		6	26,674	30	811
JB Brymesser & Sons 405		5	26,597	36	959
484		4	24,465	32	784
469		4	24,773	30	731
549		3	20,364	35	712
Ashcombe Farms 151		4	20 258	38	777
222		6	24 632	30	746
61		4	23 633	31	733
285		5	21 982	32	700
211		6	23 104	29	674
33		7	16,212	41	667
166		4	16 084	41	652
Lee G Davidson Angie		5	22,368	38	843
Mitzi		2	18 010	37	662
Donald & Dave Lehman 275		3	19,015	35	663
274		3	15,039	43	654

(Turn to Page D17)

MQuality Building Systems
7 KEENER RD., LITITZ, PA. 17543
PH: (717) 626-5204
MERVIN MILLER
YOUR RELIABLE BUILDER
• DAIRY • BEEF • SWINE • POULTRY
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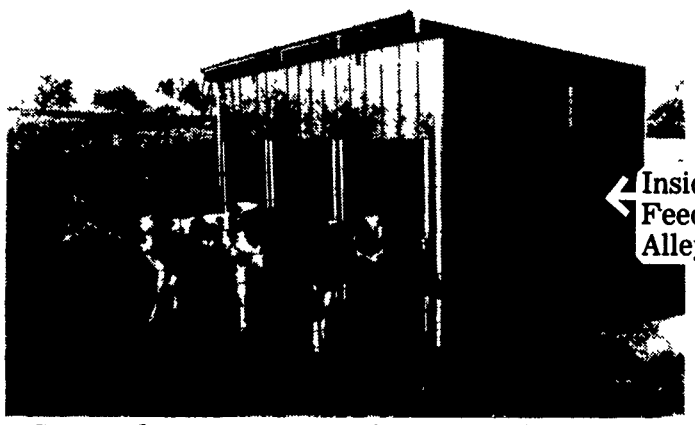
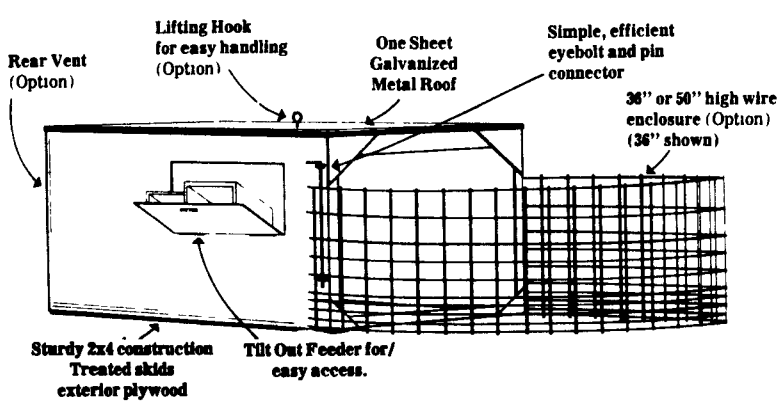
SKID LOADER & BACKHOE SERVICE
INSTALLATION WATER & SEWER LINES

CALF KENNELS



Same Advantages As Hutches, w/Inside Feeding

Compare the Stoltzfus Woodwork Calf Hutch


Rear Vent (Option)
Lifting Hook for easy handling (Option)
One Sheet Galvanized Metal Roof
Simple, efficient eyebolt and pin connector
36" or 50" high wire enclosure (Option) (36" shown)
Sturdy 2x4 construction Treated skids exterior plywood
Tilt Out Feeder for/ easy access.

ALSO AVAILABLE: TRACK FOR FASTENING CALVES' CHAIN TO CEILING OF HUTCH

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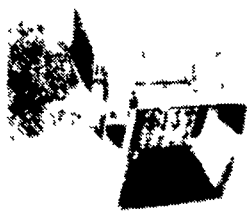
For Hogs, Poultry & Turkeys

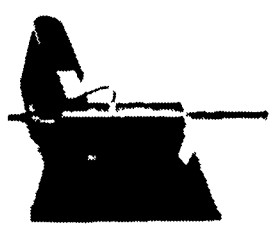


SUNNY PIG 1
1,000 to 2,200 BTU

5 Models To Choose From For Your Particular Operation!

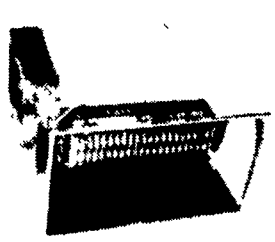
* AUTOMATIC CONTROL SYSTEM AVAILABLE

Choose downgoing heat... Choose SBM brooders.

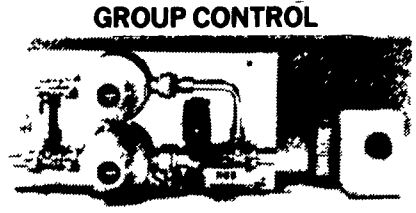


SUNNYPIG 2
2,200 to 4,400 BTU

GROUP CONTROL



SUNNY PIG 3
2,500 to 5,000 BTU



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SEMI-AUTOMATIC CONTROL
w/Thermostat

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HOURS
Mon.-Fri. 7:30 to 4:30;
Sat. 7:30 to 11:30
(Parts Only)

CUMBERLAND COUNTY DHIA

(Continued from Page D16)

J Paul Strock				
Swifty	5	19,610	3 7	728
Merle & Sharon Dice				
6	9	19,223	4 3	831
Alfred Gaisler				
Cupid	3	20,673	3 4	705
Topsy	6	19,078	3 5	672
Model	5	20,273	3 3	668
Milk Way Farms				
41	3	20,726	4 0	820
3	13	21,258	3 6	775
D Clinton Sauder				
Charmin	3	18,945	4 1	780
Grace	5	19,437	3 5	672
Audrey	4	17,727	3 7	651
Her Joy Farms				
Patsy	8	17,678	3 8	680
John F Stamy Jr				
176	3	16,769	4 7	796
126	6	24,385	2 9	715
15	5	20,081	3 5	708
163	4	18,314	3 7	678
34	3	16,658	4 1	675
146	9	17,314	3 9	670
81	5	20,852	3 1	655
88	3	18,323	3 6	655
Carl Kelso Jr				
40	3	19,103	3 8	730
Chester C Weaver				
Apple	5	21,491	3 5	761
Button	6	19,299	3 9	755
Cider	4	21,645	3 5	747
Fairy	4	20,015	3.6	721
Yoyo	3	17,087	4 2	719
Oscar Nealy & Sons				
22	6	21,867	4.0	870
73	6	22,893	3.5	811
18	4	23,985	3.1	745
80	3	18,496	3.9	724
99	3	18,861	3.6	678
Berkheimer Farms				
145	5	21,965	4 0	878
33	5	22,185	3 6	805
142	6	22,384	3 3	732
116	5	20,855	3 5	723
4	5	15,633	4 3	679
Kenneth Zeigler Sons				
Millie	7	23,620	3 7	884
Pearl	10	18,358	4.2	770
Francis Mains Farm 1				
45	8	20,631	3 6	751
Fred A Hoover				
Kim	4	19,721	3 3	650
Carl L Lehman				
Spotty	6	16,461	4 4	725
Lily	3	18,969	3 7	697
Dawnie	7	16,263	4 0	650
Daniel L Martin Jr				
133	4	21,559	3 2	699
Gerald P Jones				
361	6	16,590	4 0	670
Ed Brackbill-R Yost				
78	7	21,047	3 9	820
158	7	17,512	3 9	687
340	5	21,059	3 2	682
79	3	17,988	3 8	681
Bubbling Spring				
Tanger	8	18,780	3 8	711
Leon N Reiff				
Matto	3	16,895	3 9	655
Nelson Frey				
29	5	15,774	4 2	655
Amos Z Sauder				
Dee	3	20,282	3 5	711
Sydney	3	17,139	4 1	709
Amy	3	18,535	3 7	684
Robert-Margaret Smith				
Butterb	7	21,794	3 7	806
Tess	8	18,600	3 9	733
Dove	6	20,662	3 4	695
Carmel	3	15,823	4.3	681
Robert E Keefer				
28	5	22,867	2 9	652
6	7	16,775	3 9	650

CECIL COUNTY, MD. DHIA
September, 1985

Following are the top ten DHI herds for September in Cecil County These results are based on a Fat Corrected Milk basis FCM allows the comparison of milk production records varying widely in percentage of butterfat and thus differing in energy values

Pleasant View Farms	62	49 5	2 05	54 6
Pioneer Valley Farm	140	53 0	1 90	53 7
Long Green Farms Inc	137	50 7	1 95	53 5
Kilby Inc	234	48 5	1 75	49 3
England Farms Inc	56	44 0	1 87	
Cherry Valley Farm	112	48 7	1 72	49 0
Carl C Stafford	77	45 6	1 80	
Pembroke Farm	68	47 6	1 66	47 5
Charles S Moore	64	47 0	1 67	47 4
Albeck Farms Inc	187	44 6	1 74	

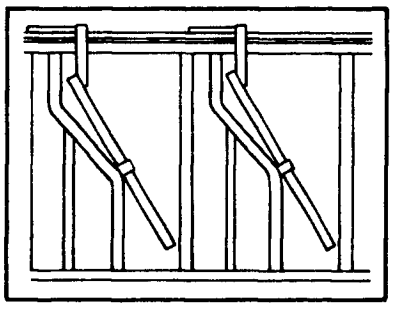
Martin Cow Control Equipment:

Headlocks & Loop Stalls

Designed and engineered for safe, dependable and maintenance-free herd management. Built with rugged steel to last longer. Won't rot or splinter.

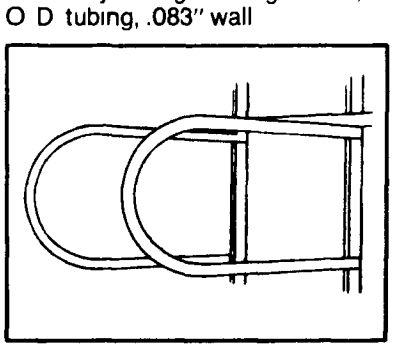
Self-Locking Headlocks

Manage stock more efficiently. Cow locks itself in position by placing head through opening and lowering it to feed. Each section also locks and releases manually with simple turn of lever. Feeding can be controlled, veterinary work performed safely. Available in 10' and 12' sections to provide from 4 to 8 stalls per section.



Galvanized Loop Stalls

Simplify bedding area cleaning without floor obstructions. Install or remove in minutes Standard lengths. 5' for 6' bed, heifers and young stock; 6' for 7' bed, adult animals. Frame tubing construction 55,000 lbs. min. yield high-strength steel, 109" wall. Top rail. 2" O D tubing, .083" wall



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R.S. Hollinger & Son, Inc.
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Marshall Machinery Inc.
Honesdale, PA
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W & J Dairy Sales
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Zimmerman Farm Service
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DELAWARE

Delridge Supply Inc.
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(302) 349-4327

MARYLAND

Farmers Supply Co.
Westminster, MD
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Treatment for swine arthritis

KALAMAZOO, MI – A new concentration of Lincomix Injectable is now being marketed by The Upjohn Company for specific use in treating infectious arthritis in breeding swine.

The new product, Lincomix 300 mg/ml, will be marketed in addition to Lincomix 100 mg/ml and Lincomix 25 mg/ml, which are used to treat infectious arthritis and mycoplasmal pneumonia in swine.

"The Upjohn Company made the decision to market a new, higher concentration of Lincomix (which contains the antibiotic lincomycin) because they felt a more convenient and economical product was needed for the producer with breeding stock," says Bill Greve, Upjohn product manager. Because Lincomix 300 requires a smaller volume injection due to its higher concentration of antibiotic (one ml/60 pounds body weight is the required dosage), it presents some distinct advantages for the producer treating large hogs for arthritis," he explains.

Breeding swine affected with infectious arthritis specifically caused by staph, strep and/or mycoplasma organisms should be treated with Lincomix 300 Injectable for three to seven days as needed. The withdrawal period for the drug is 48 hours prior to slaughter.

For more information on Lincomix Injectable, write The Upjohn Company, P.O. Box 5087, Kalamazoo, MI 49003-5087.

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Fencing Problems
with
ARC 12 Solar Fencing
High Tensile Wire

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Dauphin County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

DAUPHIN COUNTY DHIA
October, 1985

Owner	Brd.	Age	No. Cows	Days In Milk	Lbs Milk	Lbs. Fat
Roy C Wilbert		Holstein	44	9	20,614	721
Restful Acres		Holstein	83	8	19,399	691
John Hertzler		Holstein	80	2	18,528	686
Crissinger Dairy Farm		Holstein	88	5	16,611	671
Wilmer Campbell		Guernsey	63	2	15,031	666
Roy M Brubaker		Holstein	88	1	18 695	653
Robert J Schaffer		Holstein	63	3	17,741	645
Catalpa Farms		Holstein	138	3	19,548	640
Alwine Farms		Holstein	90	4	17,657	629
Robert H Beach Jr		Holstein	51	2	16,408	624
Wil Lene Farms		Holstein	71	5	17 380	619
Conewago Farms		Holstein	38	2	15 932	616
J Melvin Brandt		Holstein	75	7	16 427	611
Terlin Farms		Guernsey	65	5	12 726	599
Larry L Boyer		Holstein	25	8	16 248	597
Elwillo Farms		Mixed Breed	132	9	16 476	594
Lytle Farms Inc		Holstein	99	9	16 076	589
Sher Mar Acres		Holstein	74	2	16 229	588
Great View Farms		Holstein	52	0	15 468	586
Mahlon L Lehman		Holstein	57	5	15 840	585
Stoney Lawn Farms		Holstein	70	1	15 848	583
Harold M Nissley		Holstein	42	9	16 576	578
Arthur Brandt		Holstein	94	4	15 205	575
Paul E Clugston		Holstein	102	8	16 090	571
Noah W Sauder		Holstein	47	3	15,814	563
Dale F Faust		Holstein	48	1	16,603	557
Lauden Farms		Holstein	186	1	15,756	545
Stanley R Long		Holstein	92	0	14 647	538
Walter Schaffer		Holstein	22	8	13,416	537
Dauphin Way Farms		Holstein	42	1	14 650	531
Floyd Feidt		Mixed Breed	75	0	14 094	530
Donald Miller Deemar		Mixed Breed	51	8	14 134	524
Lee R Sweigard		Mixed Breed	22	9	15 789	523
James Lesher		Mixed Breed	40	1	14 225	519
Bryncoed Farm Jersey						
543			4	07	11 393	5 3 608
John Hertzler						
Venica			5	05	26 290	3 0 788
Conewago Farms						
44			3	01	22 450	3 2 721
48			2	05	18 231	3 7 675
GR 8B			2	05	18 579	3 4 627
Earl E Keefer						
Faith			12	03	17 007	3 6 611
Crissinger Dairy Farms						
Nancy			8	00	17,539	4 0 695
Chrysta			6	09	18,249	4 5 821
Anita			3	01	19,455	4 1 804
Wilma			3	04	20,518	4 0 819
Fran			3	02	17,013	4 7 807
Libby			2	02	14,660	4 6 671
Mahlon L Lehman						
Jewel			6	10	20,849	3 5 728
Flora			5	10	23 498	3 7 866
Walter Schaffer						
46			4	09	15 879	4 5 717
Alwine Farms						
Winnie			5	03	27 365	3 4 944
Charmer			4	02	24,412	3 4 826
Snow			3	01	19 013	4 0 761
Harriet			3	04	16 662	3 9 650
Jami			3	01	21 893	4 3 934
Judy			7	04	20,691	4 1 844
117			6	10	25 001	2 7 687
259			4	01	23 946	3 1 745
260			4	00	22 112	4 2 934
309			3	01	21 060	3 0 636
377			2	02	20 947	3 1 642
Stanley R Long						
Shorty			6	01	17 259	4 0 683
Lauden Farms						
151			5	02	22 683	2 7 613
225			4	07	22,292	3 7 832
228			4	03	21 046	3 7 774
229			4	03	18,146	3 9 699
236			4	01	16 313	3 9 638
164			3	02	19,044	3 3 623
15			2	01	20,122	3 4 694
27			2	02	18 116	3 7 673
Donald Miller Deemar						
49			0	00	17 554	3 5 612
Roy M Brubaker						
Lyn 38			12	05	21 788	3 2 698
Vera			6	06	21 723	3 0 659
Carrie			4	05	20,669	3 6 743
Lavina			3	05	20 350	3 4 693
Sher Mar Acres						
291			9	00	23,897	3 2 759
84			4	00	20,828	3 8 785
969			5	01	20,377	3 8 768
772			5	01	16,215	3 8 624
Noah W Sauder						
4			6	00	20,531	3 2 661
49			6	03	21,940	3 3 717
60			6	05	17 389	3 8 665
81			3	10	17,047	3 6 606
62			2	11	18 750	3 6 671
42			4	00	17 882	3 7 657

McKEAN DHIA COUNTY
October, 1985
ROLLING HERD AVERAGE
(Over 550 Lbs Milk Fat)

John H Lapp	58	85 7	19 550	722
Charles Irons	80	87 4	16 879	681
Orton Kinney	27	86 0	17 886	665

McKEAN COUNTY LACTATION REPORT
(Over 550 Lbs)

Charles Irons				
Paulsue	10 3	305	23 295	974
Vision	4 2	305	19 396	791
Jeans	3 6	305	19 715	897
John H Lapp				
Lonnie	4 10	305	26 059	931
Lina	4 3	305	23 035	852
Willie	2 0	296	18 155	621
Elsie	2 0	286	17 914	645
Orton Kinney				
Buster	6 1	305	21 939	780
James & Eleanor Tanner				
June	7 2	305	21 302	759

KREIDER MFG. CO.

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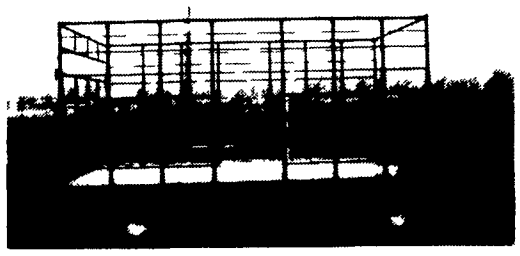

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Height - 8 ft.

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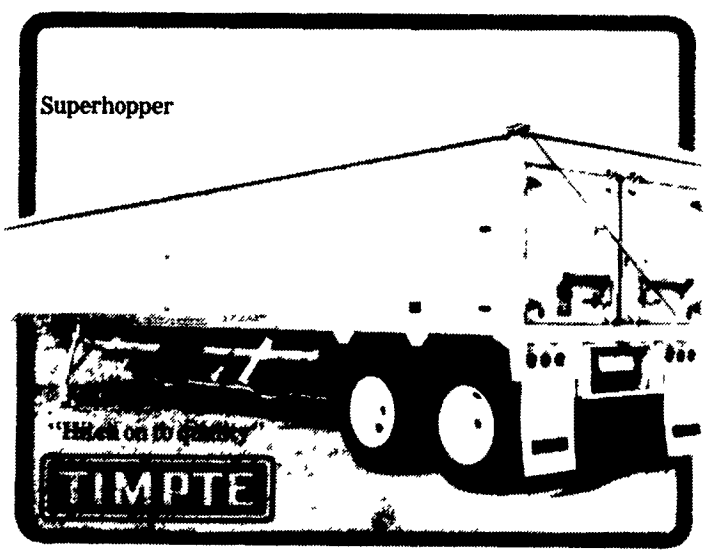
BUY A 1986 TIMPTE LIGHTWEIGHT GRAIN HOPPER NOW



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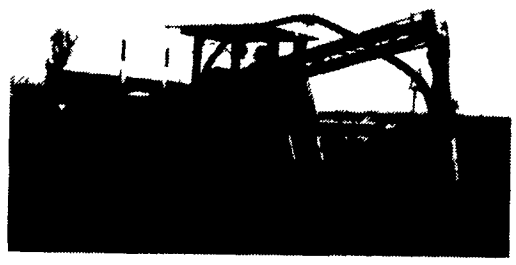

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- Improved Plant Quality
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PENNSYLVANIA LICA

Purina launches 'Assault' on rodents

ST. LOUIS, Mo. — In response to the growing problem of rodent resistance to anticoagulant rodenticides, Purina Mills, Inc. has introduced Assault, a new rodenticide proven effective against anticoagulant resistant rats and mice.

According to Dr. Bill Jackson, Professor of Biological Sciences at Bowling Green University, rodent resistance to the popular anticoagulant baits, including warfarin-based products, is steadily increasing. "Although effective against most rats and mice, the anticoagulants have been ineffective against a growing segment of the rodent population," he says. "In fact, some areas have reported resistance levels of as high as 70 to 100 percent when these baits were used."

Chuck Dickerson, manager of rodent control research for Purina Mills, adds that this problem could be especially dangerous now, given the large amount of surplus grain on hand. "Much of this year's harvest could be either consumed by rats or contaminated with their droppings, urine and hair," Dickerson says. "In addition, rodents can also cause structural damage to farm buildings and easily pass a variety of diseases through livestock herds."

To control rodents that have shown a resistance to anticoagulants, Dickerson suggests producers and farmers use Assault rodenticide as part of an on-going rodent control program. "Assault is a single-feeding bait that usually kills the rodent within 48-72 hours after feeding," he says. "This makes the rodent control program more cost-effective because time and money aren't spent on re-baiting."

Besides being economical, Dickerson notes Assault is also extremely effective. "A 1½-ounce packet is enough to kill at least six rats or more than 20 mice," he says. "In tests on farms and in research labs, Assault was proven nearly 100 percent effective against anticoagulant-resistant rodents."

Assault rodenticide is also palatable and doesn't cause bait shyness, Dickerson adds. "When put side by side with grain, other baits, and even our own feeds, rodents choose Assault by as much as 12 to 1," he says. "And, Assault doesn't cause bait shyness among rodents, either."

Bait shyness occurs when a rodent dies next to the bait, or if the bait has been marked with urine. "Acute' feeding rodenticides, such as strychnine, cause bait shyness," Dickerson says. "The rat will either die on the spot or 'mark' the bait with its urine so others won't eat it."

As part of an overall rodent control program, proper baiting techniques are essential, Dickerson asserts. "An adequate bait supply is essential in controlling even a minor infestation. Although only 1½ ounces of Assault can kill several rodents, the rodenticide should be placed in several different areas in and around a facility. In addition, the supply should be checked regularly and replenished as needed," he advises.

Rat proofing buildings and sanitation are also important, he suggests. "By cleaning up the debris and garbage from around farm buildings, sealing up all possible poionts of rodent entry into facilities, and using an effective single-dose bait, any farm operation can become less attractive to rodents this fall," he concludes.

For more information on Assault, or other Purina rodenticides, including Rat-A-Rest™ brand rodenticide and Rat Control Pellets, contact Health Industries, Purina Mills, Inc., 800 Chouteau-2PMI, St. Louis, Mo. 63164.

Low grain prices may push sales of corn as feed

COLLEGE PARK, MD. — Dairymen have shifted toward more corn silage and more hay crop silage in recent years as they invested capital in machinery and facilities to automate animal feeding activities on the farm. Silage generally permits high levels of total digestible nutrients to be harvested for dairy cattle feeding.

This year, the low prices of grain corn may encourage dairy farmers to utilize temporary, horizontal types of silage storage facilities. This is one way to adjust to the current and prospective cost-price squeeze on dairy farms. Corn silage is considered a low cost source of feed nutrients on Maryland dairy farms when high yields per acre are attained over a period of years.

The prices of feeds may have dropped more than the price of milk on most Maryland dairy farms so the feed-milk price ratio should favor the conversion of on-farm produced forages and concentrates into milk for off-farm sales.

Generally, dairymen with sufficient crop acreage under cultivation will plan on the off-farm sale of surplus grain. However, this could be the year in which greater on-farm feeding would result in more profitability in terms of the whole farm business operation.

Each dairy farmer needs to evaluate his own circumstances and markets to determine whether or not prospective net returns will justify changes in crop harvest and marketing activities.

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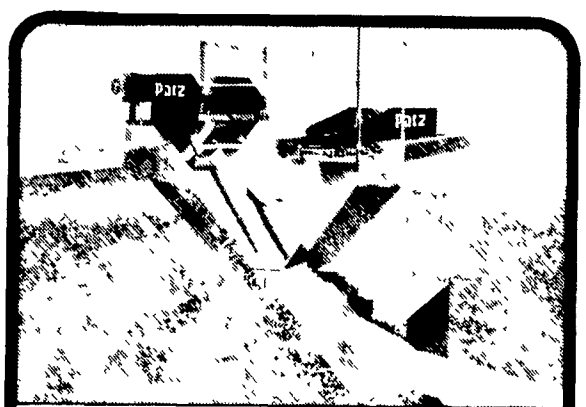

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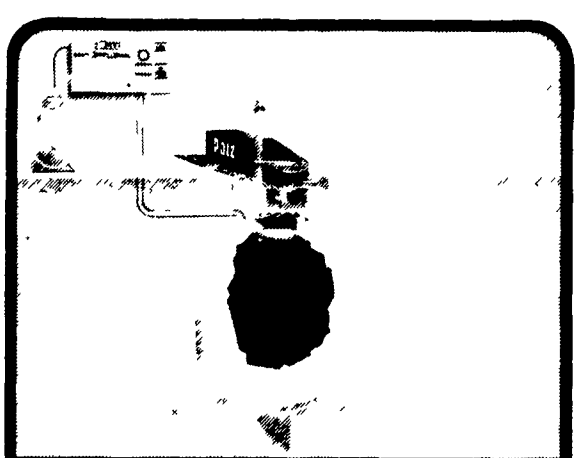

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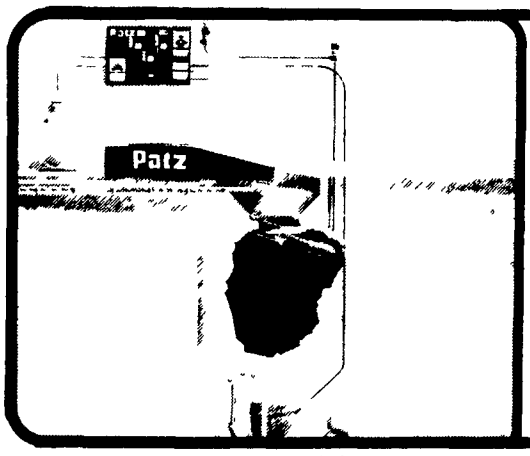

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S 500	500 000	15 000 Sq Ft *
S 1000	1 000 000	30 000 Sq Ft *
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Schuylkill County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

SCHUYLKILL COUNTY DHIA
September, 1985
-----ROLLING HERD AVERAGE-----

Owner	Brd.	Age	No. Cows	Days In Milk	Lbs. Milk	Lbs. Fat
Brian Ruch			28 7		21,843	838
Carl A Farms			58 2		20,805	821
Heisler Brothers			68 6		19,265	731
Miller & Rex Inc			32 6		19,002	728
Paul & Ken Wagner			55 3		18,467	723
James Rodichok			65 5		17,625	712
Larry Hepler			53 9		16,046	664
Richard L Heilinger			13 8		18,338	660
Raymond Reichwein			38 9		17,331	659
Snyder Brothers			79 3		18,135	657
Melvin E Stoltzfus			39 7		20,524	655
James Rodichok Connie			5-1		25,869	1116
Carl A Farms Phyllis			8-8		21,389	1049
Miller & Rex Inc Patric			4 0		24 821	1040
Paul & Ken Wagner Eileen			7 0		23 676	1028
Elam Stoltzfus 46			0 0		22 558	1003
Carl A Farms Suzie			4 2		26 210	991
Dawn F Rhein Bobbie			5 8		21 013	983
Brian Buch Candy			5-10	26,386		981
Snyder Brothers Delmont			7-0	24,042		966
Carl A Farms Feebee			3 7	22,585		937
Brian Ruch Salone			6-1	23,515		932
Carl A Farms Alicia			6-5	26,231		920
Bruce Leatherman Oriole			4-6	22,529		909
William R Daubert Tansy			9-3	21,674		907
Melvin E Stoltzfus Ada			3 1	22,754		903
Miller & Rex Inc Lucky			3-1	20,510		900
Angel			3-3	23,666		884
Shirley			4-3	21,312		869
Melvin E Stoltzfus Angela			6-1	24,862		884
Raymond Reichwein India			5-10	18,981		869
Suntrail Dairy Farm Erma			3-3	22,273		864
Heisler Brothers Sharon			5 0	22,965		862
Sheila			5 1	23,305		852
Carl A Farms Pearl			3-2	21,345		833
Peggy			7 5	21,520		829
Melvin E Stoltzfus Rite			5-2	20,445		817
Reba			6 1	19,156		817
Carl A Farms Pagin			3 0	26,002		813
Larry Hepler Beanie			4 4	18,405		811
Carl A Farms Zelda			13 10	22 628		810
James Rodichok Charlen			8 0	19,907		810
Jersey Acres Farms Melony			5 11	14 580		803
Paul Heisler Christy			7 6	21,990		800
Larry Hepler Annbell			7-6	20,991		798
Brian Ruch Petunia			7-5	18,728		786
Dawn F Rhein Gail			3-1	17,804		785
Jersey Acres Farms Inc Tiny			4-8	15,703		779
Brian Ruch Olive			5-1	22,778		777
LesMar Farms Ginger			6-0	20,926		776
Paul Heisler April			6-1	19,496		776
William R Daubert Roxane			3-8	19,208		768
Fidler Farm 169B			4-5	18,867		765
Aaron Stoltzfus Molly			4-2	21,210		754
Kermit Kahler Pauleta			5-5	20,097		754
Jersey Acres Farms Inc Lenore			7-4	12,453		754
John P Leatherman Nadine			4-4	23,960		752
Clark Reiner Jumbo			3-1	19,600		751
Jersey Acres Farms Inc Bianca			3-4	15 960		750

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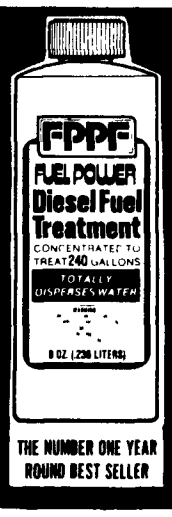

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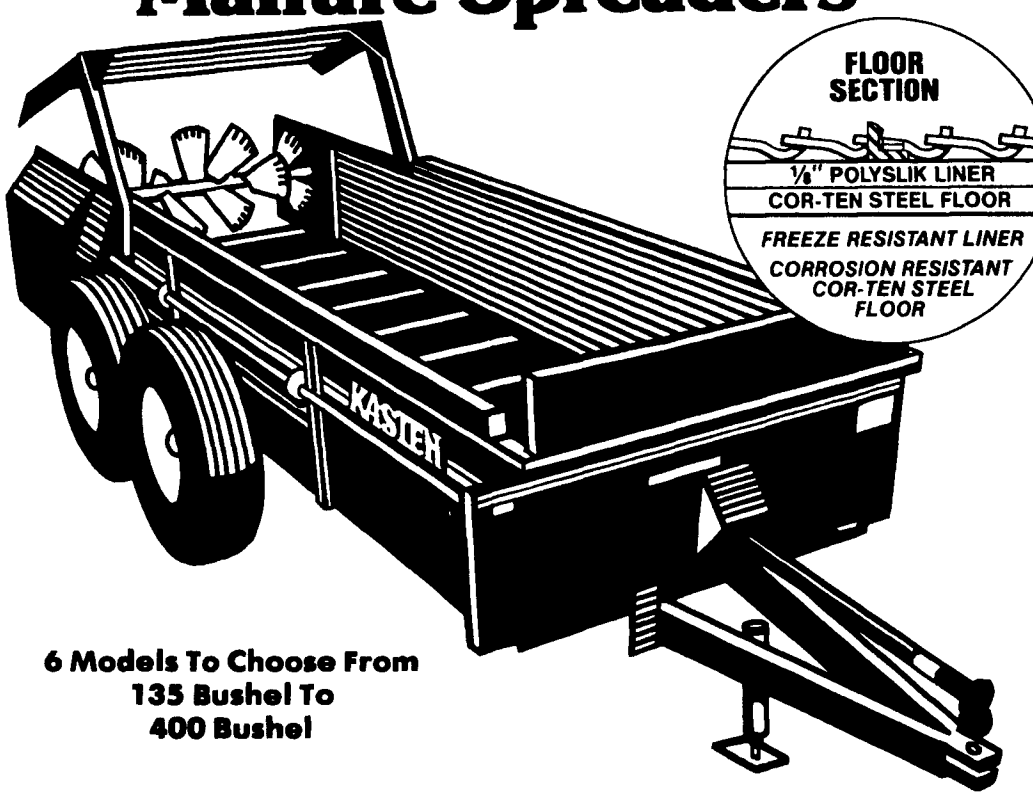

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Food science head retires

UNIVERSITY PARK — Dr. Philip G. Keeney, professor and head of the Department of Food Science at The Pennsylvania State University, retired October 1 with emeritus status.

Internationally known as an authority on ice cream and other frozen desserts, chocolate, and confections, Dr. Keeney was a faculty member for 30 years.

Internationally known as an authority on ice cream and other frozen desserts, chocolate, and confections, Dr. Keeney was a faculty member for 30 years.

Although he has talked about ice cream on radio and television, including the Today Show, his most recent research has to do with the chemistry of cocoa beans. In his honor, Dr. Keeney's department presented an international Cocao Biotechnology Symposium in October. The symposium included speakers from Malaysia, Brazil, and England.

Since coming to Penn State he has taught an annual 10-day Ice Cream Short Course, which is the oldest, best-known and largest program offering instruction in the science and technology of ice cream. Last year's enrollment in Dr. Keeney's course included individuals from 23 states and Sweden, Hong Kong, Mexico and Iran. Recently, the course was honored with a $7,000 award for excellence from the R.J. Reynolds Company and the National Association of State Departments of Agriculture.

Keeney was instrumental in developing the food science program at Penn State in 1968, charing the committee on food science and technology, and serving on the committee to develop majors in food technology.

The department was formally established in 1975, bringing together faculty from horticulture, animal and dairy science, poultry science, and nutrition extension.

Keeney served as acting head of the Department of Dairy Science and acting chairman of the division of food science and industry in 1975. He served as interim head of the Department of Food Science from 1980 until 1983, when he was named head.

He was granted a sabbatical to do research at Comissao Executivo do Plano da Lavoura Cacaueiro, in Bahia, Brazil, in 1977.

A native of New Jersey, Dr. Keeney holds a bachelor's degree from the University of Nebraska, a master of science from Ohio State University and a Ph.D. from The Pennsylvania State University. He served on the Faculty Senate from 1964 to 1966 and again from 1973 to 1977.

Dr. Keeney is a fellow of the American Association for the Advancement of Science, the American Dairy Science Association, the Institute of Food Technology and the American Chemical Society. He is the author or coauthor of more than 100 technical papers.

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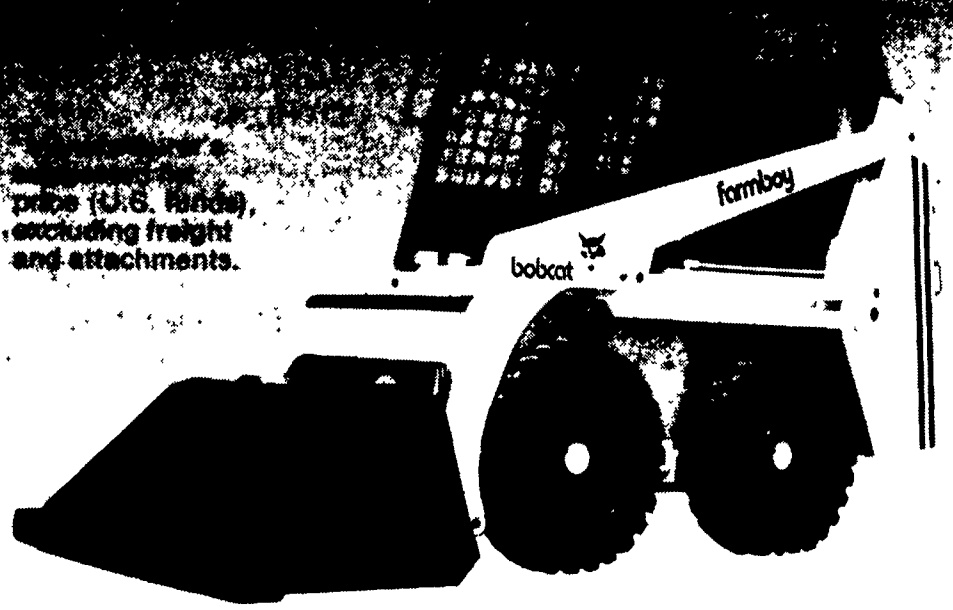

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Cobb creates poultry guide

KALAMAZOO, MI — A new Cobb 500 Female Breeder Management Guide, with recommendations to help poultry producers obtain top performance from today's fast-growing, heavy female breeders, has been published by Cobb, Inc., a subsidiary of the Upjohn Company.

"This new manual provides guidelines on handling heavier breeders," according to Bill McPherson, Cobb Research and Development Manager. "There are more details included on various management areas necessary to optimize the performance of these heavier birds."

"In addition to the normal breeder management information, this booklet offers a Cobb 500 Female Body Weight Guide, an egg room temperature and humidity chart, a section on dark-out housing and an expanded disease control section," McPherson added.

For a copy of this up-to-date female breeder manual, write: Cobb 500 Female Breeder Management Guide, Cobb Incorporated, subsidiary of the Upjohn Company, P.O. Box 5087, Kalamazoo, Michigan 49003.

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Seed production for forage legumes

High quality seed of improved varieties is basic to the success of our forage industry in the Northeast. Yet for many reasons very little forage crop seed is produced in this part of the U.S.

To be sure, each year farmers in the Northeast do harvest limited amounts of common red clover and timothy seed. At one time New York and Vermont were important birdsfoot trefoil seed producing states, and considerable trefoil seed is still produced in these states. And Pennsylvania, of course, has always been a major producer of crownvetch seed.

But climatic and other conditions in the Northeast are generally unsatisfactory for the economic production of most forage seeds. And drill box surveys over the years have consistently shown that locally grown seed lots of common forages, unless carefully cleaned and processed, are generally low in quality and frequently high in weed seeds and undesirable foreign material.

Thus, we are dependent on other areas of the U.S. to produce the high quality forage seeds so basic to our forage industry. Today I'd like to take a brief trip with you into the seed producing areas for several of our most important legumes. Next month we'll do the same for several forage grasses.

Alfalfa

Let's start with alfalfa. Before 1948 over 80 percent of the alfalfa seed was produced in the Great Plains and Rocky Mountain states. This was mostly uncertified, common seed, with only the origin stated - and there was little or no effort to gear seed production to seed needs in the consuming area.

But in the late 40's, as a result of intensified alfalfa breeding programs in public institutions, new improved, Bacterial Wilt-resistant varieties such as Ranger and Buffalo were released - with no positive system of seed increase in place. At about the same time, however, research showed that alfalfa seed could be grown one generation outside of its area of use without reducing its producing ability or changing its characteristics. If properly controlled and certified, high quality seed could be produced that was identical genetically to the original variety. Thus, by the early 1950's California, with its near perfect conditions for seed production, was producing about 50 percent of the total U.S. crop, including the recently developed varieties best adapted to Northcentral and Northeastern conditions.

Also in the early 50's California seed producers and industry recognized the need to match seed production to seed utilization needs. As a result these growers teamed up to form the Certified Alfalfa Seed Council, its purpose to work with the seed consuming states to assure a uniform flow of high quality seed to those areas.

As the demand for seed increased and the number of varieties grew, by the late 60's other far-western states such as Idaho, Washington, Oregon and Nevada joined California as important producers of high quality seed. And by this time privately developed (proprietary) varieties were dominating the market place. Thus, today these five western states now produce some 90 percent of the total U.S. production - the majority of which are proprietary varieties used in the Northcentral and Northeastern states.

The production of high quality alfalfa seed involves several key practices. The first, of course, is to maintain stringent production practices to assure genetic identity. This is a primary objective of seed certification. Certification standards establish a generation system for the steps of seed increase to maintain genetic purity. Field inspections and seed tests are also required before certification is granted.

Other production practices to assure high seed yields of alfalfa include: adequate pollination; proper insect control; adequate and proper irrigation; and other good management practices such as planting in rows, controlling weeds, and proper harvesting and seed processing. A big plus for the main alfalfa seed producing areas is a near rain-free climate during seed maturation and harvest.

As the above statements suggest, alfalfa seed production using modern technology to obtain high yields of the best quality seed is a specialized industry involving large capital costs. We in the seed consuming areas are the benefactors of the efforts put forth in the seed producing states.

Clovers

Of the forage legumes, seed production of improved alfalfas usually gets top billing. And while seed production practices for other legumes may differ they are nearly as sophisticated.

Some seed of red clover, of course, continues to be produced in the major red clover belt of the Northcentral and Northeastern states. However, this seed, mainly common in origin, is for the most part a by-product of the hay industry and varies widely in quality. As with alfalfa, seed production of most improved varieties, both public and private, has moved to the Northwest, mainly Idaho, Oregon and Washington. Seed production and processing requirements in these areas for improved red clover varieties are just as demanding as those for alfalfa.

Birdsfoot Trefoil

Unlike alfalfa and red clover, seed production of birdsfoot trefoil occurs primarily in several northern U.S. states and several areas in Canada. Certification programs to guarantee genetic identity are in place for trefoil. However, its indeterminant flowering habit and pod dehiscence continue to perplex seed producers and have resulted in seed harvests of only a small part of that produced by the plants.

Seed producers in New York, northern Minnesota, Wisconsin and Michigan, and other areas, are continuing to plug in new seed production techniques in order to assure a constant supply of high quality seed to the consuming areas.

As indicated earlier, next month we'll take a look at seed production of several of our most important cool season grasses.

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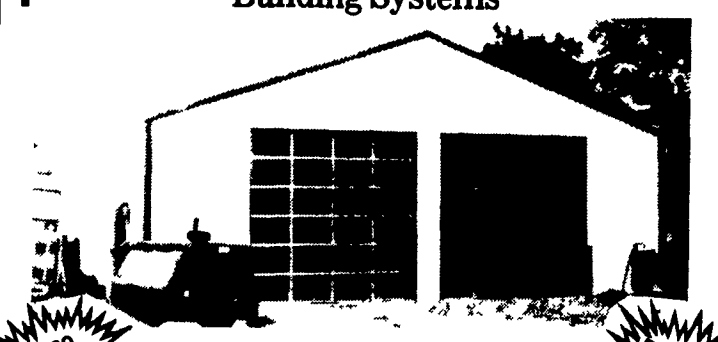

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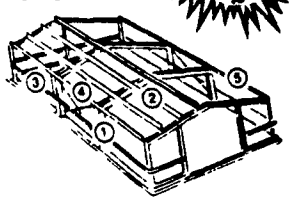

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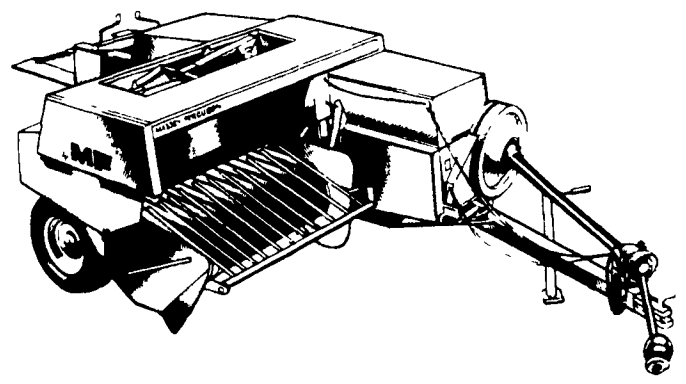

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NAILE dairy judging results announced

LOUISVILLE, Ky. — Virginia Polytechnic Institute and State University secured top honors in the dairy judging contest held at the North American International Livestock Exposition (NAILE). The team, coached by William Etgen, scored 1959 points out of a possible 2250 points to place first out of 12 teams. It was also the high team in oral reasons.

Mark Clark, VPI & SU, ranked as high individual of the contest. With a score of 664 points, he topped the 47-student group.

During the contest, participants are tested on their knowledge of the dairy breeds while making decisions under pressure. The contest consists of ten classes, with a cow and a heifer class from each of the following breeds: Ayrshire, Brown Swiss, Guernsey, Holstein and Jersey.

Following the top team in the contest was: Tennessee, 1920 points; Purdue University, 1912 points; Ohio State University, 1899 points and Wisconsin-Madison, 1891 points.

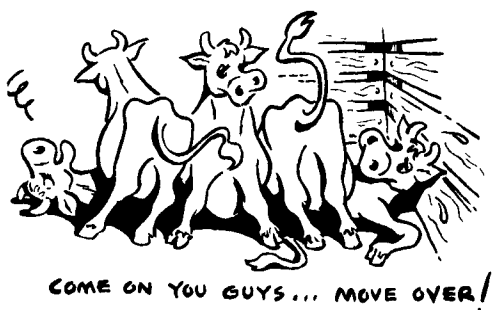
Youth Contest

Future Farmers of America and 4-H state judging teams also judged in the contest. The contest was the same for this group of 14- to 19-year-old contestants, except they presented reasons on a Jersey, Guernsey and Ayrshire class.

Out of a group of 17 teams, Minnesota 4-H won the top award with a score of 1610 points. Bill Stoltz coached this team to victory. Kentucky 4-H, Virginia 4-H, Florida FFA and Georgia 4-H rounded out the top five teams.

Jill Walker, Virginia 4-H, scored the most points in both the overall and reasons divisions. She competed against 64 other team members.

Maryland 4-H was the high team in the reasons area with 354 points.



NEED MORE ROOM?
Read The Real Estate Ads
In Lancaster Farming's Classified Section

MAILBOX MARKET
FOR SALE

New 12'x12' Tan fiberglass garage door, including hardware. Still in box. Cost $675. Will sell for $450 or best offer. Lebanon Co., 717-949-2112.

Yamaha console organ, like new, four years old. ABC fun block, auto. rhythm, special pre-set section, etc. Lebanon Co., 717-949-3153.

Bred Nubian Doelings. Also some Reg. bred Doeling Crosses, all have reg. papers. Reasonable. Cumberland Co., 717-243-4375.

Warm Morning, wall hanging, gas heater, 30,000 BTU, like new, $250. Jacob Lapp, Old Leacock, Harvest Drive Crossroad, Ronks, Pa.

8' Meyers snow plow, complete, good condition, $400. Fits on Chevy. 717-992-6596 or 992-4614 evenings. Monroe Co.

770 Oliver Diesel 3 pt. hitch, Farmall H hyd. cultivator, 2 pt. fast hitch harrow. Perry Co., 717-582-2567.

Terrier puppies: Fox, choice, $35. Boston, $60. John M. Martin, R1, Denver, Pa. Lanc. Co. at Fivepointville, northeast 1st farm.

Gamble Quail, $15 per pair. Southern Lancaster Co., 717-786-1746, will trade for goats or calves.

Mini Truck Cap, insulated, fits Ford or Mazda long bed. Exc. shape. White w/red stripe. 717-382-4700. York Co.

NH Hay Baler #44 w/2 cyl. Wisconsin engine. Good. Asking $300. 717-757-1600. York.

Ford tractor model 881, WFE w/Selecto speed with scraper blade, in good condition. Asking $2450. Lancaster Co. 717-786-7143.

Apple firewood, $55/cord. Also, apples below wholesale prices. Austrian Pine Christmas Trees for $5. Columbia Co., 717-672-2638.

Case 310 Crawler, Myers Air-Blast Sprayer, NH 271 Baler, Four Wheel Wagon with Grove Dump Body, good condition. 717-889-3859, Schuylkill.

Ford 8N tractor. Fair rubber. Engine needs work. Gideon F. Stoltzfus, RD2, Box 2276, Gap, Pa. 17527, 1¾ N. of Gap, Rt. 897, Lanc. Co.

Payloader, Michigan 4WD, all wheel steer, good condition. Aerial Bucket Truck, 32' reach, on Int. chassis, good working condition. $2600. Columbia Co., 717-784-1779.

Majestic Coal kitchen range, nice condition. Call 717-859-2880, Lanc. Co.

Completely rebuilt NI 10A spreaders. Also, new E.Z. Spreaders. John R. Martin, Hahnstown Rd., Ephrata, #4, 17522.

Irrigation System Gorman-Rupp, P.T.O. pump. 2800' 4" and 5" pipe. Lots of sprinklers and fitting. Lanc. Co., 717-354-6602.

Potatoes #ones for sale. White, $1.50 ½ bu. baskets. Call 215-267-7015, Lanc. Co. Robert A. Henly, Reinholds, RD1, Box 212, 17569.

16.9-28 Tractor tire, 60% tread. Small hole. 5 hp 3-phase electric motor, 3450 rpm. No reasonable offer refused on either item. 717-345-8980, Schuylkill Co.

Hercules 4 cyl. diesel, 60-70 hp. Complete engine w/radiator. Mounted on sub frame, only 194 hours on unit. 717-284-3112.

Large space heater in excellent condition, uses Kerosene or oil. Perry Co. Asking $300. 717-789-3094.

5 Mature Walnut trees in Juniata Co., 1950 Ford 2+4 dr. Both run, $335. ea. Dau. Co., 717-545-2086.

JD 850 Loader, PS, 15 hrs., 2 yr. warranty. 8x10 Chicken shelter, 35½"x7' metal door without frame. Rubber feed tubs. Berks Co., 215-683-5269.

5 Yr. old carriage horse. Broke, sound, man's horse. Antique top buggy; good condition. Joe Stoltzfus. Mt. Sidney Rd., Lancaster.

Farmland: 150 Acres, 90 tillable. Soil similar to Bowmansville area. Barn, silo, pond, no house, $1500/acre. Adams Co., 717-337-1151.

Dairy Goats, A.D.G.A. Nubians. Pedigrees' milk records to 3400 lb. Does, bucks, stud service. Gettysburg, 717-334-7993.

Furnace Complete Hot Water. American Standard 120,000 BTU. In good condition, $500. Harford Co., 301-452-8717.

Order your Martin house now for Christmas. Christian Fisher, 286-A Bartville Rd., Route 1, Christiana, Pa. 17509. Lanc. Co.

1 Wic Bedding Chopper, like new. Enos K. Zook, RD1, Box 58, Christiana, Pa., 17509.

Hampshire Ram, 4 years old, excellent health. $50. Lancaster Co. 717-768-8378.

200 New waxed cabbage boxes, $1./pc. Boggs potato grader, good shape. Bob sled w/Gruber body. 717-768-8222, leave message, 7-5 weekdays.

International rake, in good working condition, $475 or make offer. Lancaster Co., 717-687-8893.

1960 Jeep Truck, 4WD, V-8. 1977 VW Van, good cond. $1600 each or best offer. 350,000 BTU propane construction heater. Lanc. 717-627-1057.

Registered Angus heifers, 8 mos. old, will make excellent brood cows. Dams on farm for inspection. $350 ea. Bucks Co., 215-536-4190.

Two Limousin steers, 650 lbs. Halter broke and clipped. 717-243-1281. Cumberland Co. 70 cents/pound.

4 Yr. old Saddlebred Ride and Drive. Also, 12' cast water trough, good. 717-656-9548.

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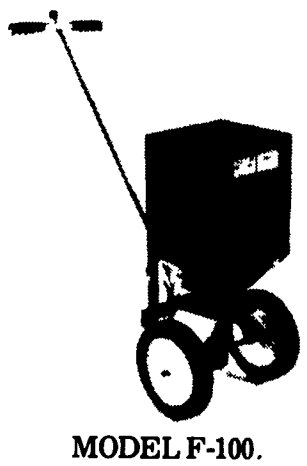
MODEL F-100.
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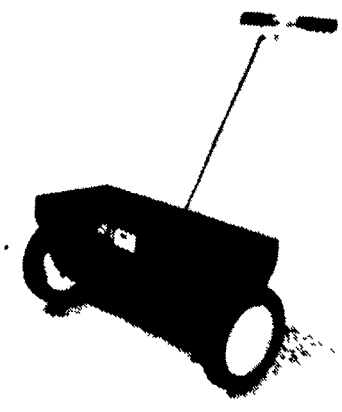
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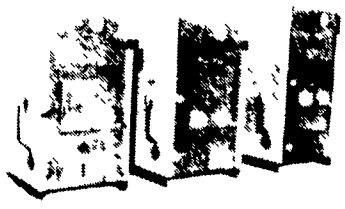

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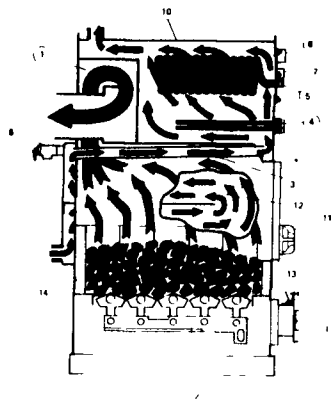

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Owantona Stacker w/mover, red seal engine, NH 66 baler w/engine, Ford 1000 diesel tractor, Ferguson "35" Speed Queen wringer washer. Adams Co., 717-528-4914.

21 Bu. cleaned rye seed. 717-438-3205.

Bazooka 56'x6" grain auger with 7½ hp 3-phase motor, very good condition, $1,250. York Co., 717-235-1700.

1968 Ford F-800 dump truck, 391-V8, 9½' bed, 33,000 GVW, pair brakes, 20" rubber, $3,800. Franklin Co. 717-532-6773 after 6 PM.

Kwick Way self-locking head gate; David Bradley garden tractor and cultivator; 48" manure bucket for 48 JD loader. 717-867-4495, Leb. Co.

Black spring ram, curled horns, $65. Lanc. Co. 717-354-5554.

Calving ease bull, 28 mo. old purebred Jersey, $550. Montour Co. 717-437-2721.

8 top quality Tenn. walking horses. Used for trail riding. All shod, ready to ride. Fancy colors. Somerset Co. 814-267-3809.

Alfalfa hay mix, $1.00 per bale at barn; #46 baler w/#10 thrower, JD-N manure spreader. Berks Co. 215-777-7349.

Pygmy goats, caramel and agouti, NPGA reg. Show and pet. Quality affordable. Chester Co. 215-935-7855; Montgomery Co. 215-948-6421.

60 face cord, 16"-18" mixed, seasoned wood. Bath, NY, Steuben Co. 607-776-6350 evenings.

NI 1 pr. rubber tire manure spreader, wheels good cond. Bernie S. Beiler, 1156 Lanc. Pike, Drumore, PA 17518.

Reg. Appalusa mare, sound, attractive, shown successfully. Western/English pleasure. Scott Lippincott, Retreat Rd., Vincentown. Burlington Co., NJ, 609-859-2403.

KBA 24 disc harrow w/new 20" blades, exc. cond., $625. Samuel Stoltzfus, R1, Box 268, Hill Rd., Kirkwood, PA 17536.

3' tomato grader, washer, dryer, waxer plus sorting tables and sizers, $7,200. Lacka. Co. 717-842-2767.

Dry homing. Write: Homing, 30 Kemper Ave., Westminster, MD 21157. Carroll Co., MD, 301-848-6810.

12 year old Blue Roan, AQHA mare, good bloodlines, exc. brood mare and trail horse. Berks Co. 717-933-8063.

Kidding Hills/Amor offers quality dairy goats. Alpine, Lamancha, Nubian breeds. See sheep and goats ad for pedigrees. Lehigh Co.

Western saddle used 3 times, $300; English side saddle, VG cond., $100; pony saddle, VG cond., $50. Berks Co. 215-845-3707.

Office desk; fat press and sausage maker; pickup camper; childs rocker, office chair. Lanc. Co. 717-354-6501.

Mulch hay, approx. 400 bales. make offer; also Super E-Z Homlite chainsaw w/case, $75. Cumberland Co. 717-776-5726.

30 gal. gas tank, electric transfer pump, fits truck bed, $50; 8' camper shell, 48" tall, $300. Cecil Co. 301-398-3974.

Wood Bros. corn picker; Cardinal 27' long, 4" round auger; 8 yr. old reg. quarter horse w/horse colt. Juniata Co. 717-527-4930.

Double wheel hay rake, $1,500; used 18.4 38 tractor tires w/tubes, $200. Cumb. Co. 717-776-3690.

435 gal. stainless steel milk tank, thick walls w/compressor, very nice cond., $350 or best offer. Bucks Co. 215-766-8130.

Aermoter 3 HP, 50 gal. per min. submersible pump; 700' #2 triplex wire. Lanc. Co. 717-738-0201.

AKC basset hound, female, 4 mo. old; also AKC chow chow, female, 1 yr. old. Lanc. Co. 717-859-3053.

Troy bilt tiller, like new, 7 HP Kohler bar tread tires; also Hiller. Lanc. Co. 717-354-9127.

76 Subaru station wagon, FWD, 8' dozer blade, bow window 9'6"x5', new, $200; 24 channel CB. Schy. Co. 717-648-4484.

Oil burning Royal hot air furnace w/honeywell controls, $300. Elam M. Beiler, 51 Esbenshade Rd., Ronks, PA 17572.

1970 Chev.; 1975 GMC pickup; 1975 Datson truck. Need work. Best offer. Chester Co 717-529-2125.

'74 Plymouth Valiant, 6 cyl. auto., PS, 70,000 mi. black, good work car, $450 or make offer. Lanc. Co. 215-267-2219.

Panting-out IH 72 cargostar, 1810A, 23,000 lb. straight rear fodder trans., cab, front axle, power steering, gas tank. Balto. Co. 301-665-9573.

JD 4020 w/cab, PS, bought new 1970. One owner. Brown Swiss bull, reg.; NH 256 rake. Fred. Co. 301-371-7704.

1932 Model B Ford, 4-cyl., cab & chassis, 131" wheel base, partially dismantled. Some extra parts. 717-284-3112.

Case 530 triple range tractor, PS, cultivator, wgts., hyd. attach., live PTO, 1,397 hrs., $3,395. OBO. Lehigh Co. 215-965-2622

Rem. 700 LH 30.06 Bushnell variable 3-9x, strap, soft padded case, like new. Firm $375. York Co. 717-235-3728

King kitchen wood and coal stove w/shelf, white. York Co. 717-244-1784

Parting out AC B, WD, WC. York Co., Pa. 717-927-9147

7x9 dump body w/hydraulic tailgate, highway salt and cinder spreader. Will sell separate. Lanc. Co. 717-786-3189

3 Cocker Spaniel females; 2 Basset Hound females; 4 Siberian Husky females. AKC Registered. Cumberland Co. 717-776-7942

1st cutting alfalfa-brome baled 5/27/85. $75. No rain. Also 2nd and 3rd leafy cuttings, $90. Snyder Co. 717-837-0265

10 very good Polled Hereford heifers. Perry Co. 717-438-3556

F-20 for parts, $200. or Best Offer. Ralph Glenn, Fulton Co. 717-485-4797

1030 Case Comfort King, good condition, recently overhauled. Leb. Co. 717-866-5355

10' Brillion Seeder, excellent condition. $1,850. Berks Co. 717-866-4286

6 truck rims and tires, 7.50x20, like new; general casings, good, never recapped. Lehigh Co 215-285-6264 evenings.

Reg. Australian Shepherd pups, black's, red's & merles. Ready for Christmas. Have both parents, excellent dogs. Cumberland Co 717-258-6389

8 Surge mini orbit milker units w/alternating pulsators for milking parlor. Steuben Co., NY. 607-792-3334 or 814-326-4496

1972 GMC truck, V6 engine, 15' cattle body, recently overhauled motor, trans., clutch, other parts, current inspection, excellent condition. Northampton Co. 215-252-0673

Gehl 115 grinder mixer, ready to go. $1,500. Lanc. Co. 717-859-2352

NH 269 baler, has 53 kicker, $975.; JD disc harrow KBA, 24 disc, $295.; Small IH manure spreader, $375.; NH 404 crimper, $275. 717-354-0266

Need a shop stove? 48" high tank, 30" round, heavy wall, $62.; 4,000 gal. water tank, $320. Lanc. Co. 717-354-5691

Clover seeder; Huber-Hoover relation book; Coleman 1 mantle, gas lantern. 717-354-0616

Self propelled NH 1880 harvester, Cat. diesel, hydrostatic, new style 3 rn corn head and pickup, 2,500 hrs. $10,000. OBO. Lanc. Co. No Sunday Calls. 717-872-7890

2 seated 1 horse sleigh. Also Bou-matic vacuum pump. 717-776-7692

Chevy Corvair & Station Wagon; 38' JD elevator, PTO; Cast iron radiators. Best Offer. Carroll Co 301-848-0338

AC D19 gas tractor, W.F.E., 3 pt. hitch, 3 spool hyd., very good condition. $3,475. Dauphin Co. 717-692-3616

Dry poultry manure from layer house, excellent fertilizer, $5/ton. Lititz area. Delivery available. Lanc. Co. 717-626-1467

Single barrel wood heater, Small oil, hot air furnace; Stock or wood trailer; Like new L.P. gas incinerator. Lanc. Co. 717-665-5210

AKC blue eyed Siberian Husky, 5 old male and one year old female. Lanc. Co. 215-445-4267.

Propeller to agitate lagoon or pit manure; 3 pt. 48" rototiller; 80 gal. water heater, like new; ice skates. Berks Co. 215-683-9596.

Electric sewing machine in cabinet, 275 gal. gas tank w/pump, bobsled. Berks Co. 215-488-7423.

Softwood farm table by Henry Lapp, Lanc. Co., 1840's mint condition, ref., $1,800. Somerset Co. 814-445-5922.

684 Int. tractor diesel, 2280 hrs., $7,900. Lehigh Co. 215-799-3147.

Two warm Morning coal stoves, like new, 460 and 414A. Lanc. Co. 717-626-4872.

15 month old reg. bull. Dam V.G.; granddam EX w/23,690M 979F. J. Elmer Lapp, RD6, Box 252, Coatesville, .PA 19320.

Proven purebred Nubian buck, $80. Young American Nubian buck, $40. MVE AI tank and breeding kit, $250. Lanc. Co. 717-665-5268.

Metal wardrobe, 68"H & 42"W; cast iron sink w/drain-board; VW body parts. Berks Co. 215-777-4579.

3PTH cement mixer, $450; 9 cu. ft. Might Mite manure spreader, 25 bu., $495. Harford Co. 301-676-6917.

Appaloosa stallion, 3½ yrs., bay, good confirmation, reasonable. Alfalfa and Timothy hay. Perry Co. 717-536-3576.

Alfalfa-grass hay, very nice; all cuttings. Clip this ad for later reference. Furnace Rd., Near Georgetown, Lanc Co. 717-786-3300.

Heavy duty Holan tow truck winch, 5/8 steel cable; Int. 308 gas engine w/5SP trans., excellent running condition. Orange Co., NY. 914-651-4187.

Monarch coal/electric combination stove w/water jacket; two pair mens' figure ice skates, size 7 & 13. Leb. Co. After 5PM, 717-273-9868.

High pressure washer, needs new pump, $100; Also wheel weights for IH tractor, $240. Chester Co. 215-942-2657.

400 gallon Meyers orchard sprayer, good cond., $800; 140 gal. weed sprayer, 3 pt. hookup $500. Montg. Co. 215-256-8650.

JD 44 plow 2x14 on rubber rope trip, good cond., $65; scalding trough, $25. York Co. 717-235-2032.

Five young started dairy heifers (200-600 lbs.). Will trade for bull calves; 3 bred sows & 1 York. boar, complete farrowing pen. York. 717-244-0624.

Hay wagon 8'x8'x16', $700 with or without running gear. Stone house for rent. S. York Co. 717-862-3833.

300 gallon Welsh sprayer, 3PTH; 20' rope Wick. Both, $800. York Co. 717-382-4754.

MF 202 gas loader and backhoe, $3,800; JD 410 round baler, like new, $5,000; Miller 12' disc w/25" disc blades, $3,200. Union Co. 717-524-2410.

Four yr. old work horse, $500; good used closed carriage, $600; warm morning heatrola Model 61199. Jacob K. Stoltzfus, 512 Short Rd., Lebanon, PA 17042.

656 Int. diesel utility tractor on steel or rubber. Call Loysburg 814-766-2303 after Dec. 10.

Metal cattle feeder on skids, holds 4-5 ton of feed. Ideal for in barn or pasture. Best Offer. Lanc. Co. 717-653-5359.

McCormick Deering 7' sickle bar on rubber, $50; dump rake, $30. Northampton Co. 215-863-7246.

Sweet Potatoes, $4.50 per basket. David R. Miller, 41 West Eby Rd., Leola, PA 17540.

Int. 884 diesel, dual PTO, excellent condition, 700 hrs. Somerset Co. John N. Wengerd, RD1, Meyersdale, PA 15552.

Farmall H with or without loader; 540 Int. 4-16" bottom plow 2 or 3 pt. hitch. Berks Co. 215-286-5422.

NI 2 ton fertilizer and lime spreader, spinner type, trailer type, $400. Lanc. Co. 717-626-5438.

King-wood and coal stove, like new, used only one season, $360. David P. Lantz, 416 Musser Shool Rd., Gordonville, PA 17529.

JD 440 gas crawler with loader. Blair Co. 814-793-2464.

Patz feed cart, solid tires, metal, $175; 3HP single phase motor used two months, $150; Hyd. cylinders, $50. Harford. 301-452-5580.

Oliver 8' cover crop disk, $50; 15x22.5 tires and rims for manure spreaders. Lanc. Co. 717-733-8528.

Five very pregnant goats due anyday. Nubian, Alpine, Toggenberg. Call evenings. FREE: Goat milk, cream cheese, cottage cheese. Lanc. Co 717-626-4359.

Old hand split fence rails stored inside. Lanc. Co 717-569-7929.

Nice blue spruce Christmas Tree, 20' tall. Benuel King, 434 S. Belmont Rd., Ronks, PA. 4 mis. S. of Strasburg.

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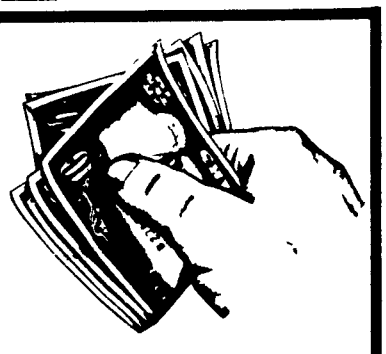

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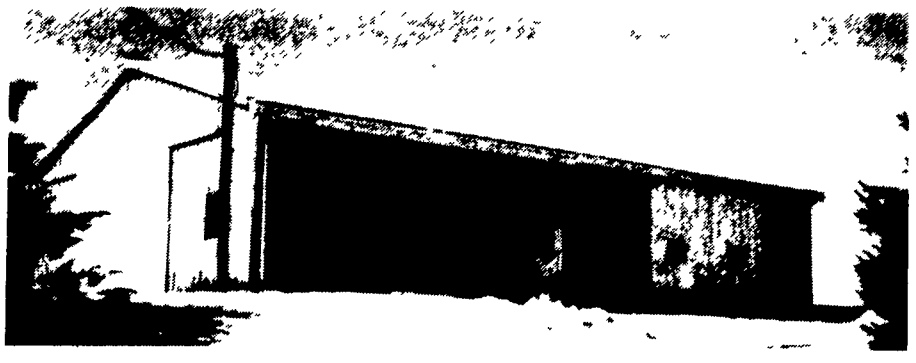
by Stoltzfus Builders



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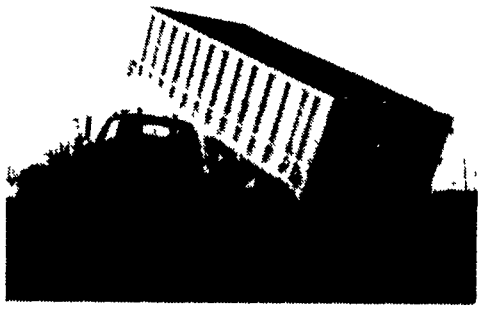
ALUMINUM GRAIN BODIES & ALUMINUM REPAIRS



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Also available

- ★ Double swinging hay hauling tailgate
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- ★ Slide out cattle chutes
- ★ Diamond Flooring
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FOR SALE

1936 thru 1942 Plymouth Master parts list, 483 pages well illustrated, $35. Rushville, NY. 716-554-6479

Far-Zurerior scalding tank, The Cincinnati Hog Dehairing Machine, $500. Takes Both. Penn-Yan, NY. 716-554-3545

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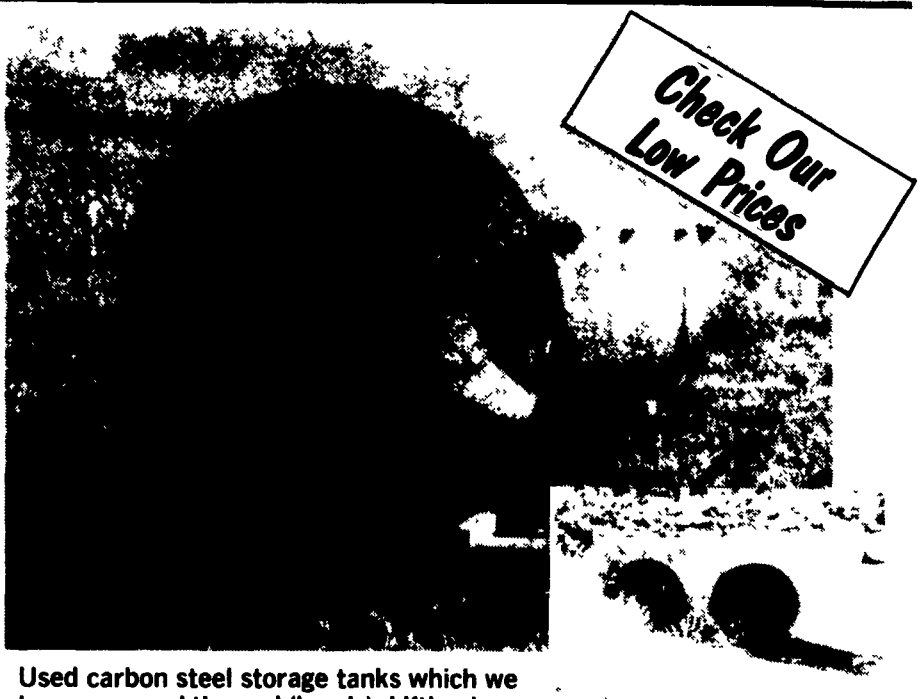
Limousin Bull, registered, 20 month old, $900. Juniata Co. 717-694-3577

Acorn gutter cleaners LH / RH, 21" variable speed fan, JD disc plow 3pt., Hitch hog carrier. Carroll Co. 301-756-6290

PTO cement mixer, $250.; 6' disk, $200.; 8' turf aerator, $500.; Pony sulky, $175.; 100 h.p. 3 phase motor, $800. Northumberland Co. 717-286-5306

TANKS

STEEL CULVERT PIPE



Used carbon steel storage tanks which we have removed the end (heads). Lifting lugs attached. No coating. These tank shells make an inexpensive, quick and strong bridge. Tank shells buried with 3 feet of ground cover can support 80,000 lbs.

Diameter Inches	Weight/ Lbs. (Approx.)	Thickness Inches (Approx.)	Lengths In Stock	Price, F.O.B. Quarryville
64	1615	.167 (7 ga.)	12'- 0"	*100 to 200
64	2312	.167 (7 ga.)	17'-11"	*200 to 300
64	3010	.167 (7 ga.)	23'-10"	*300 to 400
96	4280	.240 (¼")	13'- 7"	*300 to 360
96	4723	.240 (¼")	16'- 0"	*360 to 420
96	6075	.240 (¼")	21'- 4"	*480 to 560
96	7425	.240 (¼")	26'- 8"	*600 to 700
120	7700	.240 (¼")	20'- 3"	*700
120		.240 (¼")	24'- 8"	*900
126		.240 (¼")	20'- 4"	*800

CONCRETE CULVERT PIPE

Factory Seconds, interlocking. Inner core consists of heavy steel pipe encased in concrete.

Diameter Inches (I.D.)	Weight/ Lbs. per ft. (Approx.)	Thickness Inches (Approx.)	Lengths In Stock	Price, F.O.B. Quarryville
36	430	4"	2' thru 11'	*18/Ft.

STEEL PIPE

New and used structural grade steel pipe. Standard and extra heavy schedules. Outside storage.

Pipe Size Inches	Price Per Ft. FOB Q.Ville
3	* 1.50
4	* 2.00
5	* 3.00
8	* 5.00
10	* 6.00
11	* 8.00
12	* 9.00
13	* 9.50
14	*10.00

Pipe Size Inches	Price Per Ft. FOB Q-Ville
15	*11.00
16	*12.00
17	*13.00
19	*15.00
20	*16.00
23	*18.00
24	*19.00
30	*24.00

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Used 14"x14¾" wide flange steel beans @ $10.00 per ft. F.O.B. Q-ville.

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Industrial surplus 5 gal. pails of Lacquer Paint (many colors) @ $4.00 per gallon. For machinery (flammable material)

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Loader for Super C or 200 Farmall, also 18.4x38 rim type duals, good tread. Best offer. Lanc. Co. 717-548-2427.

16.3 bay, TB gelding, 5 yrs. old, green. Has lots of scope. Serious inquiries only. Sandy Waltz, Montomery, 215-489-7861.

Farmway gutter cleaner, unit, 1 HP motor, panel box, 300' chain, exc. cond. Make offer. Berks Co. 717-933-8748.

113 acre farm, southern VA. Nice area. Good climate. Low taxes. Exc. investment, retirement, vacation property. More avail. Berks 215-777-2310.

Salt sand spreader box, 7'x10' Wisconsin engine driven; 6" water pump driven by Ford, 4 cyl. Ind. Eng. 301-398-7680.

Slide in truck camper, 10½', best offer. Balto. Co. 301-592-8110.

NH 2 row pull type transplanter in good cond. Berks Co. 215-562-7749.

Oliver steel, 200 gal. sprayer roller pump, working cond. Berks Co. 215-678-7591 or 7629.

NH model 352 grinder mixer, good cond., 301-692-2826.

2 rabbit pens and 3 fishing rods, super cond. Chester Co., PA 215-932-2533.

JD 4020 diesel, power shift, WF, recent overhaul, $7,000. Lanc. Co. 717-653-2557.

Caterpiller D-4 dozer, 8' blade, $3,850; AC WC farm tractor, $250; vegetable grader belt, $100. Flemington, NJ 201-782-3391.

Horn of Plenty Computer Feeder, 2 ton bin, 2 feeders, 2 stalls, 100 tags, 250' table. $6,900. 301-842-2780

1¼ acre property w/wood working business, 2½ story house, barn & shop. Benj M. Stoltzfus, Box 54, Nine Points, Pa. 17561.

Norwegian Elkhound Puppies, champion lines, exc. temperament. Just in time for Christmas. $200. 717-733-4640

First cutter orchard grass mulch hay. Southern Chester Co. $30./ton. 215-388-6501

10' truck camper, complete. Hunt, fish, travel, propane, electric. $1,090. 5' Spring Tooth Harrow, $165. Chester Co. 215-932-2453

1965 Wilson cattle trailer, 45' long. John Knight, R.D.2, Gordonsville, Va. 22942. Orange Co. 703-672-3499.

Int. 2000 loader, 7' bucket, fork lift attachment, excellent condition. $1,650. Monmouth Co., NJ. 201-462-7967

Farmall Cub Tractor w/lift and 5' belly mower, $1,800. Gloucester Co. 609-468-7151

Sahlstrom liquid manure pump for 8' or 10' pit. Will Deliver. $1,200. Wayne Co. Call mornings at 8 a.m. 717-689-2947

300 gal. Tolan tank, 3 h.p. compressor; 4 floor universal milker units; Kesco dumping station. Salem Co., NJ. 609-935-3653 after 5 p.m.

Warm morning space heater, used at school. Amos K. Stoltzfus, Box 23, Witmer, Pa. 17585. Lanc. Co.

4 yr. old Grey carriage horse; Warm morning stove w/new firebricks. Christian Beiler, 3981 E. Newport Rd., Gordonville, Pa. 17529.

A blower for Badger 2400 unloader, like new and a tripod for 14' silo. Chester Co., Pa. 215-932-2353

Westinghouse electric stove w/overhead exhaust hood, good clean condition. $75. Schuylkill Co. 717-754-7313

2 gas forges, 2 cash registers, ice maker, dip freezer, 15 bar stools, hot dog machine, counter. Lycoming. 717-745-7777

1976 19' Rinkerbuilt I/O, 120 h.p. tri-hull boat 272 hrs., full cover plus conv. top, all extra accessories inc., new galv. trailer inc. 215-488-1461 or 929-1219

Ponies: Paints and Grays, all are very gentle and all drive and ride. A great Christmas gift. Chester Co. 215-932-3139

49"x14" steel wheels; AKC female Chow Chow, $75.; 1 h.p. 2 cyl. air comp., $125.; 25 KW generator w/IH diesel engine. Lanc. Co. 717-738-1274

1973 GMC truck, chassis & cab, air brakes, model 6500, 9.00x20 tires, low mileage. Lanc. Co. 717-872-5525

Decoart chairs (2); magazine rack (1920's); vac. cleaner w/attach. needs hose $15.; 19" TV (B&W) $15. Chester Co. 215-932-3473

Old square type anvil, has square hole, big, heavy, $65.; 2 Pexto stove pipe crimping machines, $105. Lanc. Co. 215-267-7049

Heavy duty Danserer 13" 3 pt. post hole digger, new condition, $350.; Shropshire Ram, 3 yrs., Proven, $75. Stallings, Chester Co. 215-593-6845

Uebler u-blend self propelled, hydrostatic feed cart, w/electric scales, $3,850. Lanc. Co. 717-548-3294

Short bred and open Holstein heifers. Jacob Stoltzfus, R.D.2, Box 166, Narvon, Pa. 17555. Meadville Rd.

New 1986 F350XL, 1 ton, cab, chassie, 460 4 spd., 161 w/b. Priced to sell; 25 h.p. air compressor, electric motors. 717-627-0845 evenings.

Century 5 Star welder, 3 yrs. old, $380.; Foley sharpening equip.; automatic filer, circular grinder, setter, $800. or best offer. Lanc. Co. 717-354-5060

Myers 7½' snow plow blade w/angle fram. Lanc. Co. 717-285-4770

2,000W, Nelson 32V, wind generator, Flyball Governor, generator and governor assembly only, no blades, tail or saddle. $600. Chester Co. 215-327-3311

45'x9' mobile home, electric & oil heat, 2 bedroom. $1,200. Must move. Atlantic Co. 609-561-3687 eve.

MF 135 gas tractor w/loader, low hrs., excellent condition. Schuylkill Co. 717-682-9930

Farmall F 12 parts. Jefferson Co. 814-653-2474 after 4 p.m.

Land in Perry Co., lots of road frontage, less than $1,000. per acre. (4 lots). Leb. Co. 717-469-2950

New Deutz-Fahr hay tedder, $1,500. Wash. Co., MD. 301-432-6043 evenings.

Registered Polled Hereford Bulls, yearlings, 205 day weights 698 & 701 lbs. Reasonable. 717-866-4185 or 215-589-2966

19.67A pond mountain, Ashe Co., N.C. Southern exposure 3400' elevation, St. Rd., electric, stream, 205' well, view. 703-388-3491

Will Sell or Trade: 1976 750 MF combine. 717-653-8703

Nubian Goats, 10 bred females due late Dec. early Jan., 4 1985 females, 2 bucks. York Co. 717-755-4785

2890 M.M. combine, 11' grain head, some extra parts, working cond. $700. or Best Offer. Lanc. Co. 717-354-9902

Metal farm wagon, corn sides; 3 AQHA weanings, top bloodlines. Come take a look, good price. Lanc. Co. 717-653-5327.

White Embden Geese, 2 female and 1 male, mated, laying 50 eggs each a year, gentle, quiet. $30. Berks. 215-987-6098

Oak 2"x4" lumber, rough cut, 8'-12' long, 180 pieces, 1,200 board ft., .20 cents per board ft. Berks Co. 215-678-4394

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Heat houser to fit 730 Case, $50.; Hough payloader, very good, Best Offer over $1,100. Snyder Co. 717-539-8772 evenings.

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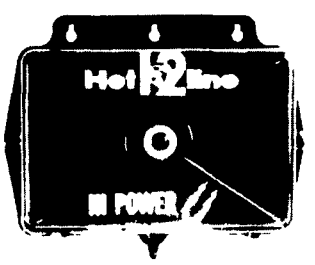

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White Emdem Geese, fresh brown eggs. Lanc. Co. 215-445-6274

1 Bull taped 72", registered. Best Offer. Adams Co., York Springs. 717-528-4543 after 6 p.m.

30 Sex-Sal Link Pullets, just starting to lay, ¼ mile east of Fivepointville. Amos Z. Hoover, Pleasant Valley Rd., R.D.1, Denver, Pa. 17517. Lanc. Co.

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4 Horse gooseneck trailer G.C., new paint, floor; IH 3 pt. backhoe, 12" bucket, ex. cond. Rt. 1, Box 388, Round Hill, VA. 703-338-2912.

14' Clay silo unloader; Badger barn cleaner. Fayette Co. 412-628-6299.

Show horse for show or driving, saddlebred, nice style and color. Reasonable Price. Abner Stoltzfoos, RD3, Box 418, Lamparter Rd., Quarryville, PA 17566.

Ford 1979 high cube body & cab divider with sliding door. 717-656-9605.

Baldwin two keyboard eight pedal organ, very good condition. Chester Co. After 5:30PM, 215-593-6203.

Amish carriage, good condition, hydraulic brake. Joseph B. King, 2253 Rockvale Rd., Lancaster, PA 17602.

Christmas trees, Scotch Pine, Canadian Balsam, White Pine, $10-$30. On Rt. 741, one block west of light in Lampeter, Lanc. Co.

NI 3R Uni husker, excellent condition, $5,500; MF 85 gas, ,$1,950; MF 1100 cab, duals, $4,850. Yates Co., NY. 716-554-6648.

Registered Percheron horses, AQHA horses, & Alpine goats. Also Pedigreed rabbits, Dwarf and Angora. Trade considered. Centre Co. 814-466-6606.

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Ingersol Rond air compressor w/75HP engine on wagon as-is. Lanc. Co. 215-445-4092.

Peafowl, 6 cocks, 1978 hatch, $50 each. Also, 1979 chicks, $10 and up. Westminster, MD. 301-876-1235.

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Used Bee Equipment. Inverbrook Apiaries, RD2, Box 230, West Grove, Pa. 19390. 215-869-3353.

MINI LOP RABBITS with papers, $25. Very loveable pets. NZW Rabbits with papers, $10. Cecil Co., Md., 301-885-2134.

Outside calf hutches, $75 each. David B. Stoltzfus, RD2, Box 282B, Nottingham, PA. Take Brown Rd. at Little Britian, second road right.

Spring wagons & buggies & horse related items. After 7:30 p.m., 301-398-5696.

Rock Oak, 1" to 1¼". Also, Cherry and Poplar. After 5 p.m., 717-776-3239.

Banner Camper, sleeps 4 or 6, mounts on pickup, best offer. Also, quilts that make X-mas gifts. 717-642-8221.

12 yr. QH, Bay trail horse. 12 yr. ½ Arab, sharp, endurance, competitive trail horse. Have shots, new shoes. 717-432-8282.

Case S.C. farm tractor; JD 2 btm. plow; make offer. Military Jeep, 1944. Montg. Co., 215-933-2469.

BOOKS make great Christmas Gifts. Huge collections available w/fine items under $20. Call Ron. York. 717-235-2134

Three section spring tooth harrow, good condition, $150. Two section spring tooth harrow, fair, $40. Bucks Co. 215-536-3047.

JD 350B LGP crawler dozer diesel, 6 way blade. Atlantic Co. 609-561-2332.

Manure spreader, 128 Int., $400; Hog mower, 3 pt. hookup, $350; Horse drawn potato plow, $75. 215-495-7523.

Chicken cages, water cups, automatic feeders w/eight motors for approx. 10,000 chickens, $500. Rabbit cages. Lanc. Co. 717-285-5050.

AKC Collie puppies, sable & white. Shots & wormed. Excellent shape, $125. Bradford Co., PA. 717-364-5714.

4010-4020 JD complete M&W Turbo Charger kit, $400. 814-669-9207.

Oliver grain drill; IH 5 rolo bar rake; AC table blower; IH transport disc; V snow plows. 717-345-4882.

Top Quality Hay, Straw, Oats, Steer hay 140 per ton and up, mulch hay. Call before 7 AM or after 7 PM. 201-735-8389 or 201-735-8865.

All size silo roofs at reduced cost. Lanc. Co., 717-687-6672 or 768-3095.

Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines. Willow Glenn Farms, RD2, Strasburg, Pa. 717-787-2562.

Registered Tennessee Walking horses, always a good selection of pleasure mares & geldings, weanlings & yearlings, brood mares. Stud service. 215-267-7311.

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Interested in buying 10 tons of new ear corn. Must be able to deliver. 301-692-6920

3 seat Bob Sled. Must be in good condition. Berks Co. 215-926-3086

Drum carder for wool, must be in good working condition. Also other wool equipment. Southern Lancaster Co. Leave Message. 717-548-3501

Old workable platform cattle scales that will weigh several head at once. Preston Co. Northern W.VA. 304-735-5737

Crawler loader, MF 300, parts condition. Write: George Schaffer, 7223 Talbot Run Rd., Mt. Airy, MD. 21771. 301-831-7056 eves.

Radiator for Farmall 300. Lanc. Co. 717-354-6163.

Husking roll gears for old Massey Harris or MF corn picker. Chester Co. 215-869-2655.

Hoist and pump for farm dump trailer. Bedford Co. 814-733-2752.

JD 125 chuck wagon. Older truck, cab and chassis. Preferably 30,000 gross. Lanc. Co. 717-665-3865.

Urgently needed, 75 Pullets for brown eggs. Chester Co. 215-869-2791

Milk transfer pump, inspection not needed. Kent Co., MD, 301-778-2577.

Truck: Steel body dump, 26-36,000 GVW, S/A or T/A, air with PS, prefer diesel. Will consider others. 215-723-:386.

30 or 60 quart Dough Mixer. Bedford Co. 814-623-2425 or 814-623-2804.

Surge, individual stall, milking parlor. Call collect 717-865-5445, Leb. Co. Sam Geesaman.

Rabbits, white or colored from 3 pounds and up. Franklin Co. 717-369-4666 or 717-264-4776.

Snow blade to fit an IH 154 or 184 tractor. Union Co. 717-966-3697.

Mammoth donkey jack, 5 " or taller. Stud service fo ay mare. Cumberland Co., NJ 609-4 5-2458.

Parts for old apple pealer made by Reading Hdwe. Co. Dauphin Co. 717-545-2174.

Road grader, hydraulic control, motor and gearing not important. Bedford Co., 814-784-5872.

Gravity bin wagon. Also manual for Oliver 5 corn planter. 215-795-2628.

Amish hired person for 1986, 15 yrs. or older. Daniel K. King, Jr., RD 3, Box 372, Quarryville, PA 17566.

Clean rabbit hutches, prefer Favorite or the like. Samuel B. Lapp, 4141A Redwell Drive, Gordonville, Pa. 17529.

1 seated Mennonite carriage. John R. Zimmerman, R.D.4, Box 465A, Ephrata, Pa. 17522.

MowerDeck, 48" 42" 36", any make & year; Gravely, etc. Buy for parts; Tractors; AC rear end cover, steam too. Write: Vogt, Ronks, Pa. 17573.

Power Take Off pulley that will fit on a MF 35 tractor, in good condition and reasonable price. Dau. Co. 717-896-8242 after 6 p.m.

38" mower deck, 2 blade for JD lawn tractor. Also wanted JD PTO air compressor. Montg. Co. 215-368-0918

Shallow well pump Lancaster Co. 717-354-7186

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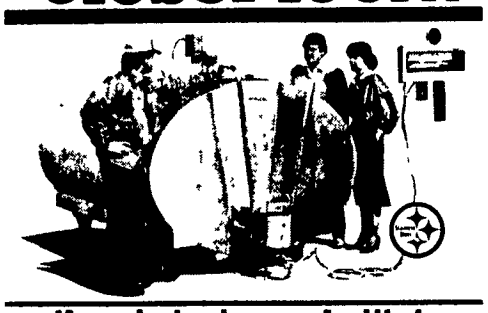

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FARMERS' FRIEND BARN BOOT

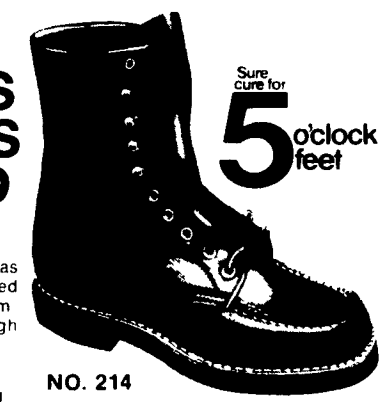
For active farmers Rugged barnyard acid resistant uppers for extra-long wear on hardworking feet Come try on a pair

NO. 565

Width	A	B	C	D	E	EE	EEEE
Size	10-14	8-15	7½-14	6-16	6½-13	6½-13	6½-13

CARPENTERS and BUILDERS ALL-AROUND FAVORITE!

This handsome 8 moccasin toe model has been a popular favorite for years! Oil tanned Brown Chrome uppers rolled top band combined with crafted-in comfort Super-tough Neoprene soles for action wear too!



Sure cure for 5 o'clock feet

NO. 214

FOR THE FOOT HARD TO FIT!

Width AA	A	B	C	D	E	EE	EEEE
Size 10-15	9-14	7½-16	6½-14	5-16	6-14	6-14	7-13

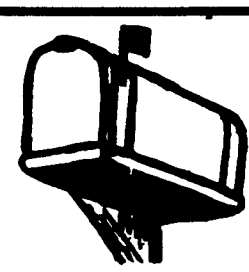
HOURS: Daily 8:30 A.M. to 6 P.M.; Fri. 'til 9 P.M.

Wayne's Dry Goods
217 W. Main St.
Kutztown, Pa.
Phone (215) 683-7686

MAIL ORDERS ACCEPTED

VISA

MAILBOX MARKET AD FORM



FREE

(Attach Your Mailing Label Here)

Check One:

For Sale _____ Notice _____ Wanted _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules:

Limit your advertisement to 20 words; area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Monday or same will be held over for next week's paper; no business ads accepted.

Include your Lancaster Farming mailing label and mail to:

Mail Box Market
Lancaster Farming
P.O. Box 366
Lititz, PA 17543

No Phone Calls Please

It's Not Too Late!

TOPDRESS ALFALFA: Apply now and reduce winter kill.

ALFALFA FALL WEED CONTROL: lowest cost and most effective time to treat for chickweed and winter annuals.

LIME: Eliminate the spring rush and compaction by liming now. We offer prompt truck spreading of Martin's Ag Limestone.

SOIL TEST: Now so you can do your planning this winter.

DON'T WAIT, CALL US TODAY At 397-5152 For All Your Needs

MASTER FARMER FERTILIZER
ORGANIC PLANT FOOD CO.

AG PRODUCTS
MASTER FARMER
AG SERVICES

2313 Norman Road
Lancaster, PA 17601
Tel. (717) 397-5152

Hours: Mon. thru Fri. 7:00-4:00
Sat. 7-12:00

MAILBOX MARKET WANTED

Horse stall dividers. Bennie F. Stoltzfus, 99 Quarry Rd., Leola, PA 17540.

JD H tractor, any condition. 814-364-9333 or 238-4957.

Old one horse sleigh, complete, fair to good condition. Lehigh Co. 215-298-2119.

Wanted to Rent. Modern 3BR rural home w/yard. Manheim/Mt. Joy area. Need around 1/1/86. Call 814-632-8441.

FOR PARTS: Columbian choice cook stove Pat. 1912, 8-20-6, any shape. Baltimore Co., MD. 301-472-4237.

Manure spreader, 50 BW, PTO drive, good condition; 20 poultry crates. Montgomery Co. 215-495-7672.

5' to 10' grain auger, can be 3" to 6" in dia. 717-776-7692

Old Toys. JD, Oliver, Farmall, Allis, Caterpillar, etc. Over $75 for some. P.O. Box 422, New Holland, PA 17557. 717-768-3554.

New or used storm front market wagon, and/or spring wagon, state price and condition. All replies answered. T. Holliday, Rt. 4, Box 244, Waynesboro, TN 38485.

Old used pine lumber from barn, house, etc. Must be in good condition. No white paint. Lanc Co., 215-445-6231.

Attic Flooring and Log Houses. 717-626-4520

MAILBOX MARKET NOTICE

Will board up to 70 heifers at $1.00 a day. 717-653-8703

Standardbred carriage horse to be sold at NH Sales Stables 12/9. Tough, used to long trips.

Free: 100 Pieces asbestos boards, 2'x6'x3/8". 717-626-8257.

Buck service. AKGA reg. Alpine and Nubian. Cumb. Co. 717-258-6191.

For Rent: ½ house on dairy farm. 2 bedrooms, bath, laundry, living, dining and eat-in kitchen. Avail. Jan. 1. Newmanstown, 215-589-4641.

FREE: AKC male Scottish Terrier puppy, 10 weeks old, blind in one eye, very playful and loveable. 717-626-2876.

Berks Co[illegible] in exchange for rent [illegible]; Experienced in farming, maintenance and mechanics, family of 4. 215-327-1863 evenings.

Fox Terrier stud service. 717-354-7186.

We adopt and/or buy exotic animals: Deer, Pygmy Goats, Elk, Buffalo, Leopards, Cougars, Peafowl, etc. Berks, 215-374-2114.

Sale Reports

A Public Auction of antiques and farm equipment plus real estate was held November 28 by Mr. and Mrs. Miles Garbrick, Mt. Zion Rd., 2 miles north of Route 30.

The 20 acre Gentleman's farm was sold for $138,000 and included an 8 room frame house, large frame barn, butcher house and hog pen.

Some other prices included: Farmall F-20 tractor $655, 1 hole corn sheller $62.50, double barrel shotgun $100, old high chair $230 and quilts $150 & $185.

Auctioneers were Blaine N. Rentzel and Nevin B. Rentzel.

XXX

A Public Sale of farm equipment was held November 30 by J. Jeffrey and Susan D. Smith and Sons, R.D. 1, Newville, Cumberland Co., Pa.

Some prices received were: Farmall H tractor $925, Oliver 70 tractor $950, Oliver 66 tractor $1125, Oliver 1650 tractor $3400, Oliver 88 D tractor $1800, Oliver 770 tractor $1825, Oliver 1800 tractor $4500, Oliver 880 tractor $2300, Grove chuck wagon $1000, 1931 Ford truck $810, Badger blower $1075, A.C. corn planter $1925, bin wagon $900, hay wagons $500 to $600 and Amco F17 13' disc $4830.

The auctioneers were Lamar Sensenig, Arthur Rife and Melvin Sensenig.

XXX

A Public Auction of farm equipment and horses was held November 30 by Mr. and Mrs. Atlee Troyer, 5 miles east of Mifflintown, Pa. in the village of Center.

There were 37 head of grade Holstein cows sold with the top cow bringing $1050 and the second sold for $1000. The average of all of the cows was $641.

Other prices were: copper kettles $200, hand corn sheller $115, N.H. elevator $220, N.I. rake $550, Pequea hay tedder $1025, N.H. 310 baler on steel $4200, J.D. disc $550, J.D. 12' harrow $380, Int. W6 tractor on steel $1500, harness $100 to $115 each, 2 Sorrel horses $1000 each, 7 working horses $753 (was the average) and heifers $215 to $490 each.

Mark Glick was the auctioneer.

XXX

A Public Auction of farm machinery was held November 30 by P.G. Pritz, at Hemlock Hill Farm, 1½ miles southeast of Muncy Valley, Pa.

Some prices were: Deutz 30-06 utility tractor $3600, Ford 9N tractor $1100, Farmall H tractor $660, platform scales $180, N.H. 12A manure spreader $200, I.H. 46 pto baler $175, Grove 5' rotary mower $340, N.H. 451 mower $800, N.H. 56 rake $760, and 1964 Chev. 12' stake body truck $850.

Fraley Auction Co. conducted the sale.

XXX

A Public Sale of farm equipment was held November 30 by J.H. Shenberger, R.D.3, Stewartstown, Pa.

Some prices included: Farmall Super M $1000, M.F. TO 35 tractor (needs engine) $975, J.D. L tractor w/attachments $1185, M.F. 3 pt. mower $75, Ontario grain drill $60, Mountville 2 hole corn sheller w/motor $55 and 1969 Chev. ¾ ton pickup truck $1325.

Auctioneers were Melvin Haines and Ralph Brenneman.

XXX

A Public Sale of a 68 acre dairy farm was held November 25 by Ruth Z. Fisher, east of Strasburg off Route 896 on Bishop Rd., Lanc. Co., Pa.

The farm was sold for $330,000 to John Stoltzfus, Shippensburg, Pa. and consists of a frame bank barn, milk house, 2 silos, bulk feeder, tobacco shed, 2 story block chicken house and a 2½ story brick and frame dwelling.

The auctioneers were Alvin Miller and Elvin Siegrist.

XXX

An Absolute Auction of farm equipment was held November 30 two miles northwest of Preston, Md. on Rt. 331.

Some prices were: Steiger ST250 Cougar $24,200, J.D. #644 corn head $3000, J.D. #230 25' folding disc $2500, Krueger 4 axle trailer $3100, Woods #214 mower $2200, J.D. 4020 D tractor $5800, J.D. 630 tractor $2400, J.D. 4230 D tractor $11,400 and 453 Detroit power unit $4650.

A. Curtis Andrew Auction, Inc. conducted the sale.

XXX

An Auction Sale was held November 30 by Randolph Wilkerson and Wilson and Bailey Disharoon on the Wilkerson Farm, Rt. 12 Snow Hill, Maryland.

Some prices received were: M.F. 510 combines $10,200 & $7000, M.F. 1085 tractor $5100, J.D. 2840 tractors $11,600 & $11,000, J.D. 1240 planter $375, N.I. spreader $2175, J.D. 148 loader $1725, 1963 Ford F-600 truck $1800, 1964 Chev. C60 truck $4650, 1965 Int. truck w/14' body $2500, Farmall Super M tractor $1450 and Int. 806 tractor $4025.

Pete Richardson Auction Sales conducted the sale.

XXX

A Public Sale of real estate and antiques was held November 30 by Erla A. Myer, 106 S. 12th St., Akron, Lanc. Co., Pa.

The Atglen stone rancher with attached garage was sold to Jane Correll of Ephrata for $66,000.

Other prices were: spring wagon seat $180, organ stool $155, blanket chests $130 & $150, 2 oak washstands $150 & $170, frosted glass condiment set $55, 1961 Buick Skylark $1300, 1-drawer farm table $825, office safe $590, woolen coverlet $470, pump organ $375, set of 6 arrowback chairs $315, spool cabinet $200 and silver dollars up to $22.50 each.

Auctioneers were T. Glenn and Timothy G. Horst.

XXX

A Public Auction of farm equipment was held November 30 by Harold R. and Esther L. Miller, in the village of Lynville, Lehigh Co., Pa.

Some prices were: N.H. #256 hay rake $1150, 32' grain elevator $1100, N.I. #323 corn picker $3950, N.H. #451 mower $1000, Int. 1250 grinder mixer $3200, J.D. #530 tractor $2600, J.D. 3 pt. 2-B 16" plow $325 and J.D. G tractor $800.

The sale was conducted by Ralph W. Zettlemoyer Auction Co., Inc.

XXX

A Public Auction of real estate was held November 26 for the estate of John J. Yuhasz, Sr., south of Bethlem at the southern end of Hellertown, Route 412, Northampton Co., Pa.

The 17 acres of land was sold for $110,000 and included many fruit trees, 30'x60' storage building, roadside stand, parking lot and deep well water supply. It bordered the Saucon Creek.

Ralph W. Zettlemoyer Auct., Co., Inc. conducted the sale.

PUBLIC SALE

Valuable Real Estate
Household Goods - Antiques
Guns - Vehicles
Old Quilts - Coins

SATURDAY, DECEMBER 14, 1985
9:30 A.M.

Located in Lancaster County, PA, 2 miles north of Bird-in-Hand. From Route 340 go north at railroad underpass to Gibbons Road right.

REAL ESTATE 12:30 P.M.

Consists of 1.08 acres of land, improvements of 3 bedroom white Holland brick home, large kitchen and dining area, living room, 1½ bath, fireplace, full basement, attached 2 car garage, sun porch, wall to wall carpet, nice place.

For appointment to see real estate call (717) 656-7947.

TERMS: 10% down sale day - Final Settlement 60 days or negotiable.

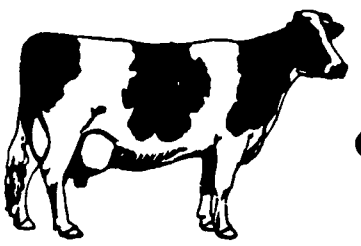
Dishes - Furniture
Antiques - Etc.

3 piece bedroom suite, spring and mattress; extension table with 7 boards; Kelvinator 2 door refrigerator; Kelvinator upright freezer; Frigidaire washer; oak wash stand; china closet; 6 oak plank bottom matching chairs, 1 master chair; 2 plank bottom arrow back chairs; White sewing machine; dry sink; 2 piece living room suite; knee hole desk; double bed with spring and mattress; iron bed; 2 old rockers; wooden high chair; child's table and bench; child's cane bottom chair; old marble roller; Empire bureau; cedar chest; doll crib; sofa bed combination; old kerosene light; small drop leaf table, unusual; folding table; brass clothes tree; oak library table; coffee table; flower stand; file cabinet; electric meat slicer; large rug; 2 old quilts; comforters; embroidered quilt; linens; all kinds of bedding; 2 old clocks, 1 mantle, 1 pendulum; 30 cup coffee maker; cherry book shelf; fireplace set; blender; mixer; stainless steel cookware; set of dishes; 2 water sets; barrel wine set; utility table; old unusual rolling pin; cut glass; depression glass; fine china; Bavarian dishes; colored glass; tin ware; flatware; silverware (bone handle); iron skillets; crocks; large depression bowl; tin comb holder; tin peanut butter bucket; old basket; ½ size drop handle milk can; office chair; 6 matching chairs; old benches; books; old Bibles; old collector's dishes; pitcher & bowl set; table cloths and wash cloths; towels; few tools; action bath; fireplace insert, new; 6 piece luggage set, never used; power lawn mower.

Vehicles - Guns - Coins

1976 Pontiac Bonneville, full power, plush seats, A1 condition; 1971 Ford pickup Series 250, 4 speed with cap, ¾ ton; 40 silver dollars, 1879 to 1926, all in nice condition; lot of silver dimes, quarters & nickels; 35 silver copper dollars; 5 red label 5 dollar bills; 2 silver certificate 1 dollar bills; lot of wheat pennies; Remington 30-06 rifle with scope; 20 ga. bolt action; Winchester 16 ga. single barrel; 2 scanners.

Owner:
ESTATE OF ERWIN J. MILLER
Executors: Miller Family
Attorneys: May & May
Auctioneer:
Steve
Steve Jr. **Petersheim**
717-786-4624
Lic. #AU-001349-L



GOLDEN HARVEST SALE & 332nd GARDEN SPOT SALE
THURSDAY, DECEMBER 12, 1985

11 a.m. Lancaster Guernsey Sale Barn, Lancaster, PA

176 HEAD SELLING 176

One of the Greatest Line Ups Ever!!

85 Cows Sell, 58 are 2 & 3 year olds, 11 excellent cows sell, 4 are 91, 2 are 92, 1 exc. 93, 1 exc. 94. 16 Cows sell with over 1,000 fat up to 1544 f. 78 Heifers sell, 40 bred heifers, 27 calves, 11 open heifers. 13 Top Pedigreed Bulls sell.

OUTSTANDING SUMMARY OF DAMS

47 Dams are excellent, 10 are exc. 92, 2 exc. 93, 1 exc. 94. 40 Dams over 1000 lbs. fat. 19 are from 1100 to 1300 lbs. fat. 2 Have 1300 & 1400 of fat. 1 has 1500 of fat. **40 Dams over 1000 of fat. 48 Grand Dams are excellent.** 7 are exc. 92, 1 exc. 93, 2 exc. 94, 1 exc. 95, 4 exc. 96.

GREAT SIRES REPRESENTED

23 Valients, 15 Tonys, 10 Traditions, 7 Chairmen, 6 Bells, 6 Elevations, 5 Sexations, 4 Glendells, many other outstanding sires represented.

For catalogs contact

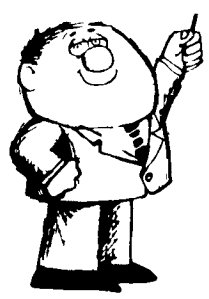
BACKUS ASSOCIATES, INC.
Sale Managers & Auctioneers
AU-000034-L
Mexico, NY 315-953-7231
P.O. Box 424 Elizabethtown, PA 17022 717-367-9236

Sale Reports

An auction was held for the estate of Ruth M. Frontz on November 23, 3 miles south of Evendale at RD#1 Richfield, Pa. on Swartz Valley Road. There was a nice sized crowd in attendance.

A 1½ story dwelling with no modern conveniences situated on app. 3 acres of land was sold for $15,400.

Some other prices received were: sideboard with part of one foot missing $130, two-tier square oak stand $90, Oak Dresser Base $85, Sideboard $95, Dome Top Trunk $60, Clear Glass Mug with the words Dad's on it $11, wooden handle eating forks (4) at $10 each, Cast iron frog $40, Small Painted Blanket Chest $95, (3) Narrowback chairs at $35 each, 5 pc. veneered bedroom suite $275, 15.1 cu. ft. Whirlpool Upright freezer $325, 14.8 cu. ft. GE Upright Freezer $240, GE Refrigerator Freezer $160, maytag wringer washer $80, App. 7 tons of nut & pea coal sold bulk $425, 22" Self-Propelled Lawn Mower $170, 1890 Silver Dollar $19, 1921 Silver Dollar $18, 1857 Flying Eagle one cent pc. $19, 1880 III cent pc. $54. Dale L. Longacre Auctioneering conducted the auction. Roger A. Lauver was apprentice auctioneer.



A LESSON WELL LEARNED...
LANCASTER FARMING'S CLASSIFIED ADS GET RESULTS!
Phone:
717-394-3047
or
717-626-1164

GOOD'S AUCTION

111 N. Maple Ave. Leola, Pa.
Hay and Straw Sales Every Wed.
At 12:00 Noon
Business Hours: 7:30 to 5:30,
Closed Sat. & Sun.

BANKRUPTCY AUCTION

Case 85-417, International Medical Instruments, Inc. #1 Lore Avenue (corner of Marsh & Phila Pike), Wilmington, DE

MONDAY, DECEMBER 16, 1985
At 12:30 p.m.

COMPUTER & SUPPLIES: Molecular computer, software, 3 terminals w/keyboards Televideo model 925 & 950, high speed printer, Okidata printer, table, paper, invoices, checks & statements.

OFFICE EQUIP: 7 desks, reception desk w/ext., 3 sec. chairs, 20 var. office chairs, tables, 2 lg. side files, 2-2 drawer files, Zerox Copier #2600, 2 bookcases, calculator, 8 sections of shelving, packing material machine, tape disp., UPS scale, office supplies, Pitney Bowes machine, etc. AT&T COM-KEY PHONE SYSTEM (6 terminals)

TERMS: Cash or local approved checks.

Trustee:
MICHAEL B. JOSEPH, ESQ.
839 Orange St.
Wilmington, DE 19801
(302) 656-8000
RUDNICK ASSOCIATES
Auctioneers (302) 764-3347
"Clip & Save"

WEHRLY'S AUCTION

SATURDAY, DECEMBER 14
At 9:30 A.M.

Located along Snyder Road off of Rt. 616 between Glen Rock and Seven Valleys or off of Shaffer Church Road. Selling modern household goods from the Estate of Dorothy Spiece from Seven Valleys and Machinery from the Estate of Clair Myers. R.D. #1 Spring Grove, Pa.

Household Goods - Farm Machinery

C-Farmall Tractor and Cultivators and plow in good cond., Circle Saw, shovel plow, 3 section spring tooth harrow, Reo 6 hp snow blower, 2 wheel trailer need new bed, misc. tools, hide a bed sofa like new, RCA color tv set, maple dry sink, maple table and 4 chair, maple corner cupboard, G.E. refrigerator, Kelvinator 30" elec. range, washer and dryer, 2 reclining chairs with vibrators like new, also lots of other modern furniture and household items.

Not Responsible For Any Accidents

Terms: Cash or approved check.
CHARLES AND SCOTT WEHRLY
Auct. & Sale Manager
235-4146 or 235-7415
Lic. #AU-000985-L

FARMERSVILLE AUCTION

TUESDAY, DECEMBER 10
4:00 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Selling for Bard Kreider, Meadow Valley Rd. plus additions.

Zenith solid state Chromocolor II TV; Girls white bedroom suite; pr. maple twin beds complete; G.E. Harvest Gold refrigerator; G.E. Heavy Duty auto. washer & G.E. Elec. Dryer both like new; vanity w/hindged mirror; elec. sewing machine in cabinet; blonde kneehole desk; base cabinet; kerosene heater; advertising wooden box; maple nightstand; table lamps; gold French sofa; cherry ext. table w/2 boards; maple arm sofabed & matching chair; Lazy Boy; oak dresser (no mirror); oak chest of drawers; quilts; blankets; Hubley tractor; 4 Roseville pcs.; everyday dishes; small appliances; box lots; etc. etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
(717) 354-5095

Auctioneer: Lester Weaver
AU-982-L

GAP AUCTION

FRIDAY EVE., DEC. 13
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

IRA STOLTZFUS & SONS, Auctioneers
442-4936 or 442-8254
AU000907-L
CONDUCTORS ALL TYPES PUBLIC SALES

PUBLIC AUCTION

CAR - ANTIQUES - FINE HOUSEHOLD - STEIFF STERLING GLASSWARE - TRAINS
MRS. CLAIR (FRANCIS M.) TROSTLE ESTATE

To be held at REDDING AUCTION SERVICE located taking Route 34, ½ mile North of Gettysburg, bear right at Y (at car wash) & continue 2 miles on Table Rock Road to auction site on

WEDNESDAY, DECEMBER 11, 1985
5:30 P.M.

This sale includes very nice antiques and household items, service for eight Steiff Sterling - Corsage pattern with extra pieces, old Hummel figurines, guns, glassware and a very nice 1977 4-door Dodge Monaco Brougham car.

Terms: Cash

Sale Inspection: Tuesday, December 10 - 5:00 - 8:00 P.M.

Community National Bank of Southern Pennsylvania - Executor
C. David Redding - Auctioneer
PA License No. 742-L
Gettysburg, PA
Ph: 717-334-6941

Going Out Of Business Auction

*** WALL TO WALL CLEARANCE ***
EVERYTHING GOES REGARDLESS OF PRICE

SATURDAY, DECEMBER 14, 1985
9:30 A.M.

1939 to Date Tractor Parts and Equipment Parts for AC, Case, John Deere, Minn. Moline, Massey Ferg., Oliver, New Idea, New Holland, Head Gaskets, Full Gasket Sets, Valve Grind Gasket Sets, Manifold Sets, Oil Pan Gasket Sets, Fan Belts, Seals, Seats, Front Wheel Bearing Sets, Right and Left Spindles, New Water Pumps, Mufflers, Carburetor Repair Kits, Some Sleeve Assemblies, Ring Sets, Valves, Valve Srings, Valve Guides, Main and Rod Bearings, Oil Pump Repair Kits, Clutch Plates & Pressure Plates, Brake Sets, Disc Brakes, Repair Manuals, PTO Equipment, 3 Pt. Hitch Parts, Coulter Blades, Plow Parts, Mower Parts & Pitmans, Oil Filters, Rake Teeth, Baler Teeth, Combine Canvas for AC & JD, Starter Ring Gears, Corn Planter Runners, Harrow Teeth, Cattle Tags - Nylon & Brass, Horse Halters, Electric Fence Supplies, Pig Waterers & Pig Waterer Nipples, Tractor Chains (H Pattern) 4-14.9x28,, 1-13x38, 1-14.9x30, Silo Covers, Hydraulic Hose, Grain Dryers, 1 - 3 Bushel Seeder, PTO Driven, 3 Pt., 3 Complete Spray Outfits, less Pump and tank, Assorted Spray Valves & Equipment, Tractor Lights, Brake Fluid, 3 Point Hitch Pins, Approx. 500 lbs. Carriage Bolts, Plow Bolts, Radiator Hose, Clamps, Magneto Points, Condensers & Coils, Plastic Pipe Fittings, Chain Sprockets, PTO Yokes, Rear Entry Heater Cabs, Bearings - Roller & Tapered, Clutch Release Bearings, Self Aligning & Pillow Block Bearings, 1 - 6 HP Wheel Horse w/Push Blade, 1 - General Electric 12 HP Electric Tractor w/Mower, new chg. & 3 new batteries, 1 - Bark Buster 3 pt. Hitch Wood Splitter, 2 - Manual Wood Splitters, 2 - 36" Wheel Horse Mowers only for B Series, Garden and Farm Tools, 2 - 14' Oak Ton Counters, 1 - Card Index Inventory Table, 1 - Manual Cash Register, 1 - Remington Electric Typewriter, Small Appliances, Miscellaneous Housewares, Lots Miscellaneous Hardware Items Too Numerous To Mention.

Terms: Cash

Lunch will be available. Not responsible in case of accidents.

Auctioneers' Note: Due to the large volume of parts, some may be sold in lots. The above is only a partial list.

TEMCO
TRACTOR & IMPLEMENT SUPPLY
ROUTE 42 SOUTH BROADWAY VA

FOLTZ AUCTIONS INC
BURDETTE FOLTZ
JOE FOLTZ

FARM MACHINERY AUCTION

TRACTORS
NEAR NEW MANURE SPREADER
TRUCK TRACTOR - BALERS

SATURDAY, DEC. 14, 1985
10:30 A.M. rain or shine

Several Columbia County farmers having discontinued farming have authorized an auction to be held at the Route 66 and 9H Intersection - 3 miles East of Hudson, New York.

Partial listing only — 1973 I H CO 4070 full screw 318 Turbo - Air side 5th wheel 10'x20' rubber, 60,000 miles since major Very good condition, 1981 JD 4240 diesel-2,300 hours, A C 175 Diesel 860 hours, J D 4000 diesel with good rubber, long 610 diesel with less than 1,000 hours, I H 5100 grain drill like new, J D 430 round baler like new, near new J D 450 manure spreader used 3 months, N H 676 Tandem manure spreader, Gehl forage wagon in good condition, 2 J D 214 chuck wagons on J D gear, J D 216- chuck wagon Kasten forage wagon, 1984 J D 1219 haybine like new J D 336 baler with kicker good condition, N H 718 chopper with corn & P U head, Lily fertilizer spreader N H 782 chopper with 2-row corn & direct cut head, Ford 3-bottom 3 pt 16" plow 4-row farmhand cultivator with cole side dressers Oliver 3 pt 3-bottom 16 plow J D 10 cultimulcher, J D mobiledisc, J D no till corn planter J D 494 A 4-row corn planter, Turnco grain wagon, IH 430 baler with kicker 2 N H 469 Haybines N H Rolabar Rake I H S D Rake, 6 hi side hay wagons Agway bedding shredder with Honda engine, N H Super 23 silo filler 2 14' silomatic silo unloaders John Bean 200 gal sprayer with Wisc engine 2 Beacon hay perserver units N I single row corn picker Martin Scavenger Manure Spreader N H 354 Grinder mixer with archway electronic 400 scale in very good condition, N I DT218 spreader J D dozer blade Richardson 2BR 12x60 mobile home Friend AK2 Orchard sprayer in good cond and many other items both large and small too numerous to mention

TERMS OF SALE: Cash or good check day of sale New buyers must present bank letter. Consignments will be accepted

LUTHER
D Luther
Auctioneer Sales Manager
David D Luther CAI
Amenia, New York 12501
914-373 9900/8215
or in New York State
Toll Free 1 800-D LUTHER

Sale by order of:
MERRITT FARM
CHIAKA FARM
GORDAN FARM
PATERSON FARM

LARGE TWO DAY SALE OF FARM EQUIPMENT

THURSDAY, DEC. 12, 1985
FRIDAY, DEC. 13, 1985
SALES AT 9:00 A.M.
Each Day

at our place of business located six miles south of Chambersburg, Pa., one mile east of Marion, just east off Route 81 at Marion Exit on Route 914.

Selling Thursday

Usual run of tractors inc. John Deere, Int., Fords, Massey Ferguson, David Brown, Case, Oliver, A. C., and others, some with loaders, Trucks, Trailers, Lawn and Garden Tractors, Tools, New Batteries, usual run of misc items, etc.

Selling Friday

Farm Equip inc. Balers, Haybines, Rakes, Mowers, Pickers, Forage Equipt., Blowers, Forage and Grain Wagons, Spreaders, Loaders, Grinder Mixers, Plows, Disc Harrows, Packers, Planters, Drills, Sprayers, Rotary Mowers, Blades, Post Diggers and other equipt., Tires, misc. items.

FARMERS and DEALERS — Bring in your equipt. for this sale. **No equipt. with liens accepted unless we are notified in advance.** We are not responsible for reserved bids. Next sales January 23-24, 1986. Our services are available for your next sale.

Open Daily 8 A.M. to 5 P.M.
Sat. 3 P.M. - Closed Sundays
Terms Cash or Good Check
Breakfast and Lunch Served

Manager
RALPH W. HORST
License No. AU-000-437L
Marion, PA 17235
Phone: 717-375-2824
AUCTIONEERS:
Rentzel, Wolgemuth, Bohrer, Upperman, Harry, Gossert

PUBLIC AUCTION

OF FARM EQUIPMENT & TRUCKS

SATURDAY, DEC. 28, 1985

AT 10:00 A.M.

Located along Covered Bridge Rd., between Yellow House and Pleasantville, Oley Twp., Berks Co., Pa.

Trucks

'74 Brockway TractorConv. w/sleeper, tandem axle, wet line, 350 Cummins (good 22" rubber, 13 spd. R.R. Trans. & 4.11 Rear); Gilmore 28' Alum. Dump Trailer, 10-22" radials; 1968 Int. 1800 Twin Screw Gas w/16' Grain Dump, 5x3 spd. trans., 48,000 g.v.w.; 1963 Int. 1890 Gas w/16' Knapheid Grain Dump, 5 spd. w/2 spd. rear, 33,000 g.v.w.; 1968 Chev. 80 Series Gas w/16' Grain Dump, 5 spd. w/2 spd. rear, 33,000 g.v.w.; NOTE: All trucks have 10:20 tires and good metal bodies. 4 Truck Tarps; 1968 Chev. 80 Series 10' Dump Farm Truck, 10:20 tires, comp. wet line for truck tractor (pump tank hose & controls); 1982 GM Pickup Truck, 15 Sierra Classic, Air.; Wood extention cattle racks for 14' Midwest Truck Body. NOTE: NOTARY WILL BE PRESENT AT SALE.

Tractors

I.H. 1066 Diesel Cab & Heater T.A. Weights, 20.8-38 Tires, 2400 Hrs.; I.H. #806 Diesel WF. FH Weights T.A.; I.H. 656 Diesel Hydro W.F., 3 pt. w/2000 Loader; I.H. 504 Utility Gas w/Fast Reverse & 2000 Loader F.H. w/F.H. Scraper Blade; 1020 J.D. Hi-Utility, Diesel Hi, Low Shift & Diff. Lock, 3 Pt.

Equipment

I.H. 1460 AXIL Flow Combine Hydro 30.5x32 Tires, A.C. Auto. Header Control, #863 Corn Head w/6-30" Rows & #810 15' Grain Head w/Grain Loss Monitor (850 hrs.); I.H. #400 Cyclo Corn Planter w/monitor, 6 - 30" Rows w/rear fert. auger; I.H. #1250 PTO Grinder Mixer; I.H. 3 pt. 7' Mower #1300; I.H. #50 Flail Chopper; I.H. #55 Chisel Plow, 13 teeth; I.H. #700 Auto. Reset 5 - 16 Bot.; M.F. 3 pt. Plow 2 - 14" Bott.; N.H. #280 Baler w/bale thrower; N.H. #461 Haybine; N.H. #56 hayrake; 3 - N.H. 16' Wagons w/Bale Thrower Sides; 3 - N.H. 16' Flat Wagons (one w/grain sides); N.H. 36' Bale Elevator w/corn chutes; Myers Snow Plow for Tractor; John Blue 300 Gal. Sprayer stainless Steel Tank & Boom; Vicon 3 pt. 5 Wheel Rake; J.D. Disc BWF 13'6" Transport; J.D. Roller Harrow F950-12'; N.I. #214 PTO 3 Beater Spreader; 1 Row Fert. Attach. for 130 or Super A Farmall; I.H. 12½ KW 2 pt. PTO Generator; Elec. Motors - 10HP & 7½ HP 3 Phase and 7½ HP, 5HP, 3HP, & 2HP Single Phase; Willmar 5 Ton Tandem Fert. Spreader, Stainless Hopper; 52' Mayrath Elec. Motor, 8" Transport Auger; 34' Mayrath Elec. Motor, Auger, 6" Transport; 20' Mayrath 8" Auger; 50' Mayrath 8" Auger; 3 Pt. Round Bale Carrier; 3 - 1500 Fert. Tanks (snyder); SNOWMOBILES - Articat panther, like new; Skido; EZ Snowmobile Trailer. Rupp Model 80 Motorcycle; Model 919 MOTOMCO Grain Moisture Tester; Grain Probes; Seedburo Gram Scale; 10'x 10' Frame Office Building; 3 - 12'x 12' Frame Storage Sheds; 10 Smidley Hog Self-feeders, 1 - 16 hole, 7 - 12 hole, 2 - 8 hole; 5 Pride of Farm (double) Elec. heated Hog Water Bowls; Portable Cattle Loading Chute; 800 Gal. Water Tank on 2 Wheel Trailer; 24' Metal Calf Panel, Gates, Runway Mats; New & Used Lumber, Roofing & Spouting; 2 Overhead Garage Doors - 16' wide x 14' high and 14' wide x 12' high; 2 - Oil Fired Hot Air Heaters; 2 - 1000 Gal. Gas Tanks w/elec. pump; 2 - 300 Gal. Gas Tanks w/elec. pump; 3 - 275 Gal. Fuel Tanks; Truck Tires & Rims, 22" & 20"; Log Chains; Truck Chains; Tractor Chains; Rope & Pulleys; 300 pcs. Redwood Picket Fence Pails; Old House Shutters; 2 Old Hand Water Pumps; 5 Grain Cradles; 3 - 2 Horse Plows; New Hay Hooks; Montgomery Pulltype 6' Gang Mower; I.H. 149 CUB CADET LAWN TRACTOR, Hydrostatic w/50" Rotary Mower; 3 HP & 1½ HP Air Compressors; 180 Amp Lincoln Welder; Floor Model Drill Press; Acetylene Welder; Pipe Cutter & Threader; Work Bench & Vise; All Kinds of New & Used Parts; Air Tools; All Kinds of Wrenches, Socket Sets, Hand Tools, and Power Tools; Truck Changing Equipment; Anvil; 2 Remington Chain Saws; Wood Extension Ladders; MANY MISCELLANEOUS ITEMS NOT MENTIONED.

ORDER OF SALE: Small Items & Tools, Farm Equipment, Tractors, Trucks.

Terms By:

DAN & MILDRED MAST

(215-689-5623)

Alvin Horning, Auctioneer

#AU-000433-L

HORNING FARM AGENCY, INC.

Main St., Morgantown, Pa. 19543

215-286-5183

LUNCH AVAILABLE

AUCTION

SATURDAY, DECEMBER 14

10:00 A.M.

* **POWER TOOLS:** power craft lathe w/4' bed & tools, drill press, belt sander, jig saw, double grinder, router w/planner att. 1 H.P. portable air comp. floor jack, orbital sander, * lawn vac, hedge trimmers, work bench, heater, car ramps, ladders, lawn seeder, many hand tools.
* **ANTIQUES** Lemoges Demi Tassi, planters peanut jar, childs rocker, (gem) mantel clocks, S gage train sets, 78 records, sterling pcs., ** 12 PLACE SETTING HOMER LAUGHLIN EMPRESS 5-20-L, victorian marble top table, dough mixer, * Schumann Baveria plates
** Mars Shuffle alley ** Gottlieb PIN BALL MACHINE (both working)
** Composition pool table complete ** 75 SILVER COINS (44 $) large cents, others. * TRF-80 computer, HH goods, 8mm movie editor & projecture, mens & ladies golf clubs, gas grille, wallpaper table & tools, sno skis, much more.
** **1954 PLYMOUTH BELVIDERE 2 DOOR HARDTOP.** One owner running order 1980 Ford Fairmount sta wagon 6 cyl * HARDMAN SPINET PIANO

HOME SOLD located on Dogwood lane, Gwynedd Valley, Pa Montg Co ¼ mi west of railroad station, signs posted, near Ambler

Rodman B. Geyer Auct.
AU-00033-L
Lansdale, Pa.
215-584-9022 eve.

Absolute Business Liquidation at Auction

SATURDAY, DECEMBER 14, 1985

10:00 A.M.

Where: Standard Supply machine shop. Williams Ave. and Third St., Davis, WV.

Having closed our business, we will sell to the highest bidder the following new and used machinery, equipment, and auto parts.

Machinery, Equipment and Parts

Otter Rayfield motor looper, Lincoln 500 amp welder, coffing hoists, 75 hp electric motor, Gasboy hand pumps, 15 - 1 ton dollies, 2-3000 gal. fuel tanks, 1-500 gal. fuel tank, amp probe, wheel balancer, timing light, insulator tester, A/C spark plug tester, 3 t. long ram jack Snap-On puller set, calculater, time clock, Coats tire changer, battery tester, height gauge, Megger, 36" vernier caliper, 1 set inside micometers, dial indicator, 2-broach sets, tap and die set, Fowler outside micrometers, O-Ring kit, wiper cabinet, turret tool post, oil drain, volume gun, creepers, oil hand pump, lot of steel, bolt bin, 5" drive shaft tubing, 10" drive shaft tubing, spray paint gun, Allen wrenches, 50' #6 wire, hose clamps, SKF pillow blocks, 16" machinist vice, new tires, brake lines, 1 case Thermo-aid, 3 gal. machine enamel, 1 lot miniature amps, 2-metal work tables, electric motor varnish, 600 gal. varnish tank, tie rod ends and king pins, 21 tubes permalube grease, gaskets, spark plug wires, fuel filters, fuel pumps, headlights, master cylinder, U-joints, spark plugs, spark plug harness, sander grinder wheels, heater hose, rebuilt starter, bearings, carburetor kits, tail pipe hangers, 10-pair Wagner brake shoes, 12 boxes brake pads, oil filter, thermostats, auto transmission filter kits, rebuilt alternaters, distributer caps, 7 buckets of electric motor wire.

Farm Machinery

Kuhn hay tedder, 3 pt. hitch carrier, 3 pt. hitch hoist pole.

Many more items too numeorus to mention.

Auctioneers note: All items are new or only slightly used and are in very good working condition. Sale will be held inside rain or shine. Announcements made the day of sale will take precedence over written announcements.

Not responsible for accidents

Seller: Standard Supply Service

JERRY FLANAGAN, Owner

Thomas, WV

Auctioneer: Robert Custer
WV 288-86
Rt. 4 Box 361
Deer Park, Md.

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

DECEMBER

MON. DEC. 9 - 11AM Tractors, Ground Eq. & Planters, Irrigation Eq., Trucks & Wagons. Located Hall Farm on Rt. 312 just N. of Bridgetown, 6 mis. N. of Ridgely, MD. Saulsbury Bros., Inc., Owners. Harry Rudnick & Sons, Inc.

TUES. DEC. 10 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

WED. DEC. 11 - 5:30PM Car, Antiques, Hshld. Mrs. Clair (Francis M.) Trostle Estate. Located Redding Auctin Service taking Rt. 34, ½ mi. N. of Gettysburg, bear right at Y (at car wash) & continue 2 mis. on Table Rock Rd. to auction site. C. David Redding, Auct.

THURS. DEC. 12 - Lancaster, PA. Golden Harvest Sale & 332d Garden Spot Sale, Backus Assocs., Elizabethtown, PA, Mgr.

THURS. & FRI. DEC. 12 & 13 - 9AM Ea. Day. Large Two Day Sale of Farm Eq. Located our place of business 6 mis. S. of Chambersburg, PA, 1 mi. E. of Marion, just E. off Rt. 81 at Marion Exit on Rt. 914. Ralph W. Horst, Mgr.

FRI. DEC. 13 - 12 Noon Real Estate Apartment Complex; Tractor, Macad. Rollers; Maint. Items. Location: Intersection of Loop Rd. & Lexington Rd., known as Lexington Apart., 20 Loop Rd., Lexington, Elizabeth Twp., Lanc. Co., PA. Approx. mis. N. of Lititz, PA, along Rt. 501. By: Arlene M. Groff. Alfred G. Reist, Auct. Art Reist, Apprent.

FRI. DEC. 13 - 1:30 PM Public Auction of PA State Graded Feeder Pigs. Carlisle Livestock Market Inc. Exit 12 off I-81. 717-249-4511.

FRI. DEC. 13 - 5:30PM Gap Auction. Antiques & Hshld. Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

FRI. DEC. 13 - 1PM Keystone Grand Champion Barrow. 45 Boars Hamps, Yorks; 75 Gilts Hamps, Yorks, Cross. Franklin Feeser, Box 372, Taneytown, MD.

FRI. DEC. 13 - 11AM Selling 150 Head. Melvin Kolb, Inc., Lancaster, PA. Dennis Kolb, Manager.

SAT. DEC. 14 - 10:30AM Farm Mach. Consignment Auction. Located Terry Wilkins Farm, along Rt. 371 midway between Cohocton & North Cohocton, NY. Pirrung Auctioneers, Inc.

SAT. DEC. 14 - 10AM Farm Mach., Eq., & Parts. Located Standard Supply machine shop, Williams Ave. & Third St., Davis, WV. Seller: Standard Supply Service. Jerry Flanagan, Owner. Robert Custer, Auct.

SAT. DEC. 14 - 9:30AM Farm Mach., Tractor, Truck, Tools, Motor Cycle. For Gary A. Reger, 123 Sumneytown Rd., Harleysville, PA, off road leading from Woxall, PA, to Perkiomenville, PA Henry K. Freed & Sons, Aucts

SAT. DEC. 14 - 10.30AM Truck Tractors, Dump & Tank Trailers. For Hamilton Trucking Co., North Wales, PA Vilsmeier Auct. Co., Inc.

SAT. DEC. 14 - 11AM Tractor, Trucks, Combines, Implements. Taylor Landing Rd., Girdletree, MD. (S. of Snow Hill, MD.) Melvin W. Gaskill, Owner Pete Richardson Auction Sales.

SAT. DEC. 14 - 9:30AM Hshld., Tractor, Lawn Mowers & Tools. Located off I-83 at Loganville Exit, travel E on Lake Rd., 1 3/10 mi., sale on right Mrs Otis Kiser Blaine N Rentzel, Auct

SAT DEC. 14 - 10AM Power & Hand Tools, Gaming Machines, HH, Antiques Located Dogwood Lane, Gwynedd Valley, PA, Montg. Co. ¼ mi W of RR Station Rodman B. Geyer, Auct

SAT DEC. 14 - 10AM Farm Mach 1st Semi-Annual Consignment Sale New Hope Rd., Moravia, NY New Hope Fire Dept grounds, off Rt 41A, between Cortland, NY, and Skaneateles, NY Dick Stoyell, 315-497-1033.

SAT DEC. 14 - 10:30AM Farm Mach. Located at Rt. 66 & 9H Intersection, 3 mis. E. of Hudson, NY. By Order Of: Merritt Farm, Chiaka Farm, Gordan Farm, Paterson Farm. D. Luther Auct.

WED. DEC. 11 - Johnson Bros. Auction Co. Farm & Industrial Eq. Consignment Auction, 45 mis. W. of Columbus, OH, on US Rt. 36 just E. of Fletcher, OH.

WED. DEC. 11 - 7PM Dispersal of 45 Head High Grade Holsteins. Located Aberdeen Sales Co., Inc., Livestock Auction Market on MD Rt. 22 in Churchville, MD, Harford Co. Albright Bros., Owners.

WED. DEC. 11 - 5:30PM Truck Load Groceries, Canned Goods, Dog Food, etc. Bareville Fire Co., 211 E. Main St., Leola, PA.

ATTENTION PLEASE!!!

Reist Auctioneers

For

The Lancaster Paint & Glass Co.

PUBLIC AUCTION

OF NAME BRAND PAINTS-SUPPLIES, EQUIPMENT & MISC. ITEMS

SATURDAY, DEC. 14, 1985

AT 9:00 A.M.

LOCATED: At Lanc. Paint & Glass Co. 235 N. Prince St., in Lanc. City & County Pa.; On The Corner Of N. Prince and Walnut St. Parking at Rear of Building. WATCH For AUCTION SIGNS.

SELLING AT AUCTION THE FOLLOWING: Interior & Exterior House Paints; Stains, Varnishes, Lacquers; Artist supplies; Indust. & Comm. Coatings; Special Paints for Waterproofing, Marine, High Heat, & Swim. Pools; Caulking, Solvents, Thinners, Reducers; Alkyd. Acrylic, Latex for Metal, Wood, Cement, Ceramic Adheis.; Paints in Flat, Satin, Low Lustre, Semi Gloss and Gloss Finishs and being Clear or Pigmented for Van Materials, Machines, Autos, Athletic Fields and Safety Zones.

BRAND NAMES: Bin, Bull's Eye, Broma, Coronado, Dap, Derusto, Derust C-Glo, Devoe, Duralite, Dutch Standard, Elder & Jenks, Fuller O'Brien, Grumbacher, Harrison, Indo, Koppers, McCloskey, Monsey, Muralo, Mason, Olympic, PTC, Quix, Rust-Oleum, Rust-Scat, Rely-On, Red-Devil, Safety Yellow, Super-coat, Superior Tuff-Kote, and Glass, U.S. Bronze Powder Inc., Valspar, Weldwood, XIM, and ZAR.

MISC. ITEMS

Oak Desks, China Closet, New Glass Office Door & Mirrors w/Alum. Frames, GRACO Hi Press. Roof Coating Pump & Spray Gun, Alum. Swim Pool Ladder, Alum. Adj. Exten. Poles, Can Shakers, Tint Mach., Safe, Shelving, Brushes Of All Types, Rollers, Scrapers, Altrals, Paper, Glue, Alum. Molding and Other Items Too Numerous To Mention. Painters, Contractors, Maint. Depts., Refin. & Cabinet Shops, Remodelers, Hobbists, Decorators, Do It Yourselfers, & Auto Shops...

For The Best Names In Paint & Related Products And Supplies...Come To This Auction.

NOTE: Above Items Are In Various Sizes, Quantities And Containers from pints to 5 gal. Cans and Single Units to Cases and Boxes w/Lables. For More Descript. List See The Lanc. Sunday News On Dec. 8th.

Inspection Starts at 7:30 A.M. Paint Related Items Sold First.

TERMS: All Merchandise Sold "AS IS." All Sales final. Cash, Certified Check or Establ. Customer Checks.

SALE BY

KERMIT F. CROSSLAND, Pres.

AUCTIONEERS:
Alfred G. Reist - AU-001637-L
Arthur E. Reist - 717-627-8008
Apprent. Auct. - 717-569-2079

-FOOD AVAILABLE-
-CLIP THIS AD-

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. DEC. 14 - 9AM Name Brand Paints, Supplies, Eq. & Misc. Located: Lanc. Pain & Glass Co., 235 N. Prince St., Lancaster, Lanc. Co., PA. On the corner of N. Prince and Walnut Sts. Sale By: Kermit F. Crossland, Pres. Alfred G. & Arthur E. Reist, Aucts.

SAT. DEC. 14 - 9:30AM 11th Farm Machinery Consignment Auction. LOCATION: Jim Trout's Farm, 10104 Dublin Rd., Walkersville, MD. From Frederick take Rt. 15 N. to Devilbiss Bridge Rd. & turn right, straight to Dublin Rd. & turn left, straight to sale site. Trout Auctioneers, Inc.

SAT. DEC. 14 - 9:30AM Contents of Hazleton, PA, Victorian Home moved to Stoney Creek Barn, 8 mls. W. of Hbg., PA, on Rt. 22/322 to Dauphin, then E. on Stoney Creek Rd. ½ mi. to Stoney Creek Barn. Estate of Ernestine Grosch. Kerry Pae Auct.

SAT. DEC. 14 - 11AM Complete Herd Dispersal of 143 Head Registered & HiGrade Holsteins. Located Shady Lane Dairy Sale, Inc., ¼ mi. W. of Quarryville off Oak Bottom Rd. Mr. & Mrs. Robert Harrison, Owners. Shady Lane Dairy Sales, Inc.

SAT. DEC. 14 - 9:30AM Line Eq., Trucks & Vehicles. For: Consolidated-Edison Co., Astoria, NY. Vilsmeier Auct. Co., Inc.

SAT. DEC. 14 - 9:30AM Temco Tractor & Implement Supply Going Out of Business Auction, Rt. 42 S., Broadway, VA. Foltz Auctions, Inc.

AUCTION SALE

Trucks - Tractors - Planters
Implements

When you have four good farmers who are retiring or semi-retiring, and all of them have taken great care of their equipment, it is not just an auction its a

SUPER AUCTION

Robert Williams Farm, Pemberton Drive, Salisbury, Md.

SATURDAY, DECEMBER 28, 1985

Beginning at 11:00 A.M.

John Deere 6620 Turbo combine, 1980, 1000 hrs., Sn 406545, 23.1x26 tires, w/215 header w/tiger jaws, like new, you don't see them this clean very often. John Deere 443 corn header, 4 row 30". International 715 gas combine w/cab, w/4 row corn head and 13' bean head, John Deere 4040, cab, air AM/FM, 2005 hours, Quad range, dual remotes, 18.4x34 tires, extra nice, Sn005291R. John Deere 4230, 18.4x34 tires, Ropes cab, dual remotes, 3900 hours. John Deere 2940, 16.9x38 Firestone, dual remotes, Sn36794L-1980, 3200 hrs., excellent. John Deere 2840, only 1235 hrs., 18.4x34 tires, dual remotes, Sn 254977, ex. cond. John Deere 2640, 1900 hrs., 18.4x30 tires, good tractor. John Deere 3020, 3000 hrs., single remote, 16.9x34 tires, good tractor. John Deere 2440, 16.9x28 tires, power adjust wheels, only 962 hours, Sn 3182571, excellent condition. Massey Ferguson 135G, very good shape, low hours. Massey Ferguson 135G, 2700 hours, single remote, 13.6x28 tires, power adjust wheels, Sn9A-41173. John Deere 2030, only 2740 hours, totally rebuilt Spring 1985, new paint, excellent condition. 1974 International 1600, only 22,297 miles, 5x2 trans, w/16' metal body and grain rails, power steering, 9:00x20 tires, 345 engine, Md. inspected, excellent condition. Another 1974 International 1600 w/P.S., only 23,400 miles, 5x2 trans., w/16' metal body and grian rails, power steering, 9:00x20 tires, 345 engine, Md. inspected, excellent condition. 1971 International Loadstar 1700, Dump w/17' body w/metal rails, 4x2 trans., Md. inspected, ex. condition. 1979 Ford F-350 pickup, ¾ ton w/4 speed, 351 engine, 7.50x16 tires, P.S., & P.B., Md. inspected. 1978 Chevrolet C-30 pickup, AU, PS, PB, 89,000 miles, MD.inspected. CMC Rainmaster Model SS-64-100, Sn 206376, V-8 Ford industrial gas engine, CMC pump 7" intake outlet on cart, automatic primer, Eng. Sn 9539-A30KR, engine type C4PB-6006-E, Eng. Option FS0-311. This unit has not been used a lot and is in excellent condition. John Deere 6 row 7000, maxi-merge planter w/reg. no-till coulter, insecticide and monitor, like new. John Deere 6 row planter w/J.D. 71 units. John Deere 7000 maxi-merge 6 row narrow planter w/monitor & insecticide, Good. John Deere 1240 plate planter w/fertilizer and insecticide. John Deere 494A planter w/fertilizer and insecticide. John Deere 2 row planter w/fertilizer. John Deere 8300, 18 spout drill, single disc openers. John Deere Model B drill, 16 spout, small seed attachment. John Blue sprayer, 400 gal. stainless steel tank w/40' booms. John Blue sprayer, 400 gal. aluminum tank, single piston pump. Agro-tec 500 gal. sprayer. JD 111 40 blade disc, 7½" space. Pittsburg disc 44 blade 7½" space w/16' board. JD sprayer w/200 gal. Hardee tank. 2 JD 400 new style rotary hoes, 6 row. International pull type manure spreader w/top beater. JD 8 ton wagon w/16' body, very good. 2 JD 145, 5x16 plow, semi-mt. 4 wheel wagon, ex. cond. Taylor-Way stine cultivator 4 row. AC 6x30" cultivator S tine. JD 6 row 30" cult. S tine. Brillion S tine 6 row cultivator. Brillion 14' crowsfoot. M&W 18.4x34 duals. 15.5x38 duals. 10' packer. 2 row cultivator. Brillion 16' cultipacker w/carrier wheels. JD pull type 5x16 plows. JD pull type 4x16 plows. JD 4x16 semi mt. plows. JD 164 2x16 plows. JD 3x16 plows. JD 2x14 plows. MF 3x16 plows. Brillion 12' chisel plow w/buster bar. Ferguson 9' 2 bar chisel plow. JD 6 row 30" cultivator S tine w/rolling fenders. New Holland body. Homemade ground level wagon. Cole 1 row bean planter. 3 pt. hitch wood saw. 12' lime spreader. 100 gal. tank. Cucumber belt w/motor 14'6". 3 pt. hitch platform. 2 wheel grain wagon. 16' manure cultivator, no motor. PTO like new cement mixer. Hydraulic tilt cycle mower. Clark sprayer for parts. Vicon spreader w/stainless steel throat.

Special terms: Good check on day of sale. Qualified buyers may purchase items and defer payment until after 5 days after January hold check payments are made. To qualify contact the auctioneer prior to the sale date.

Directions: From points West of Salisbury, Md., take US Rt. 50 to edge of Salisbury, turn right at 7-11 store on Md. Rt. 349 (Quantico Rd.), go 1 block, turn left on Pemberton Drive, go 2 miles to sale, just past Nitsdale Development. Signs will be posted.

Inspection: December 26 and December 27 from 9:30 AM - 5 PM. Equipment will be moved to sale location after Decmeber 20th. For additional information contact the Auctioneer.

ROBERT WILLIAMS
A. FRANKLIN HOLLOWAY
B. FRANK ADKINS
RAYMOND HOLLOWAY
Owners

Pete Richardson Auction Sales
P.O. Box 51, Willards, Md. 21874
Phones: 546-2425 Office
742-6220 Home

AUCTION

FARM MACHINERY, TRACTOR, TRUCK, TOOLS, MOTOR CYCLE
For: Gary A. Reger,
123 Sumneytown Rd., Harleysville, Pa. off road leading from Woxall, Pa. to Perkiomenville, Pa.

SATURDAY, DECEMBER 14, 1985

At 9:30 A.M.

Small items sell first.

1982 Harley Davidson cycle - F.X.S. 1344 cc. Low Rider, 1979 Ford F-350 truck w/12' stake body V8 4 sp. trans., Ford 860 tractor w/front end loader, Ford silage blower, J.D. #145 5 bottom 14" semimount plow, J.D. 12' transport disc good, 8' pull disc, N.I. #323 corn picker, J.D. Model B tractor, Ford 860 tractor w/live PTO & 2 stage clutch, 600 gal. water tank on trailer, 1000 gal. steel tank, 2 wagon chassis, R.T. flat wagon, Case P.T.O. manure spreader, Smoker 24' elevator, J.D. 10' lime drill, J.D. 13 disc grain drill, circular saw, Following are 3 pt. H.: 2 row corn planter, 5' bush hog, 7' blade, log splitter, 12' post auger, 250 & 275 gal. tanks w/pumps, lot 55 gal. drums, platform scales, 4 rolls barb wire, 8- 12- 14 hole hog feeders, hog troughs & waterers, milk extractor, 7 - 7' to 14' steel farm gates, posts, hand tools, Cooper 24" reel mower w/sulky, 3 H.P. rear tine rototiller, 5 H.P. front tine rototiller, Jari 36" sickel bar, water pump 1½" discharge & 8 H.P. engine, 5 H.P. & 2 H.P. 110-220 volt motors, go cart w/motor, 24' & 36' alum. ext. ladders, Craftsman band & table saws, Blacksmith drill & vise, day nite lights, 10- 20- 20- fertilizer, cinder blocks, chicken crates, gear reductions, Partial listing.

Lunch

Cond. - Cash or approved check.

Auctioneers: Henry K. Freed & Sons
822-0723
Lic. - A.U. 000293L

PUBLIC AUCTION

OF FARM EQUIPMENT & HOUSEHOLD GOODS

SATURDAY, DEC. 21, 1985

@ 10:00 A.M.

Located along Red School Rd., approximately ½ mile south of Rt. 23, Caernarvon Township, Lancaster Co., Pa.

Ford 7000 Diesel, wide front end; Ford 901 Gas, row crop; Ford 3 bottom Plow, 3 pt. hitch; Ford 10' Disc harrow, wheel type; Ford 12' 3 pt. hitch Spring Tooth Harrow; Ford Cultivator; Ford #501 Mower, 7' bar; Ford 2 row Mounted Corn Picker #602; Ford 2 row Corn Planter; New Holland Forage Wagon #6; N.H. 717 Harvester w/1 row corn head; NH #23 Silage Blower; N.H. Tank Manure Spreader (very good cond.); N.H. 271 Baler with bale thrower; 7 Tooth Mohawk Chisel Plow, Category #; 3 pt. Hitch; 2 Gravity bin wagons; Hay wagon w/high sides; 24' Hay and Corn Elevator; 16'x4" Grain auger; Potato Plow; Oliver Disc Plow; 7', 3 pt. Scraper Blade; Pallet jack 42"x27" (very good cond.); 2 Wheel all steel trailer; Livestock equip.; Auto. cattle Catch Gate; Hog Catcher; Hog Ringer; Balling Gun; 3 Egg Collecting Carts; Lots of 5/16" Stainless Steel Cable; Platform Scales, 500 lbs. cap.; Sunoco 60 Gal. Oil Tank & Pump; Elec. Grass Seed Sower; Pony Cart & Harness, Saddle & Bridle; 25 KW Fidelity Alternator w/trailer PTO; Few tons of Hay; Straw; Used Lumber; Scrap iron; Forks; Shovels; Sledge; Some small tools and items sold off wagons; 125 YAMAHA MOTORCYCLE; **HOUSEHOLD GOODS:** Piano & bench; Waterfall bureau & chest of drawers; Metal Bed, Spring & Mattress; Metal Bookcase; Metal Wardrobe; Metal Cabinet; Wood table & 6 chairs (good cond.); Sofa; Kitchen cabinet; Crib & Mattress; Rocking Chair, Porch Swing; Porch Glider; Wood Boxes; Elec. Heater; Sleds; Wash Boiler; Glass Gallon Jugs; Books; Dishes; Numerous items not mentioned. Household items sold right after items on wagon.

TERMS BY:

MARK & ALICE YODER

Alvin Horning, Auctioneer
#AU000433-L
HORNING FARM AGENCY, INC.
Main St., Morgantown, Pa. 19543
215-286-5183

PUBLIC SALE

OF
the Estate of Elizabeth Spittler, late of the borough of Chambersburg, Franklin Co., PA.

WEDNESDAY, DEC. 18, 1985

AT 8:30 A.M.

To be held at the Lemaster Community Center, Lemaster Franklin Co., PA. 13 miles southwest of Chambersburg, PA.

Furniture (Oriental)

Carved Temple wood screen; 40"x 28" high carved screen; chest on chest with hand made brass hardware 1850 cr; chinese chest 17"x 32"x 21" high; 15"x 32"x 27" high footed base chest; chinese chair 1850 cr; carved teakwood 2' lamp stand; 2-24" carves teakwood stands with marble inserts; etc.

Other Furniture

All glass mirrored curio cabinet; 2 - wood trim velvet covered loveseats; 2 - wood trim velvet covered side chairs; ball and clawfoot wingback chair; walnut acorn poster single bed; walnut base marble top washstand with solid ends; marble top cupboard; curley maple bed room suite including nite stand, dropleaf stand, rolling pin acorn poster bed, cane chair, rocker, bench and 6 leg dropleaf table; walnut 4 drawers; walnut dropleaf table; walnut 4 drawer marbel top bureau with wood pulls; walnut marble top stand; 3 piece walnut trim palor set; walnut double spool bed; 6 leg walnut dropleaf table; doughtray; Victorian serving stand 1870 cr; solid end walnut cupboard with maple trim and marble splashback top; 2 - corner cupboards, one 16 pane and one blind door; many plank bottom chairs; walnut dropleaf extension table; hanging cupboard; chestnut wood medicine cabinet; blanket chest; cradle; churn rocker; cherry 5 leg extension table with 8 boards, oak dresser with beveled mirror; walnut victorian double chair style sofa; etc.

Small Oriental Items

Hundreds of oriental items, will mention a few, 15 - chinese brass bowls; figurines; Fou dog; Rose Madellion; Cloisonne; jade quartz; beautiful 9'x 12' Inda Chinese rug; 3'x 5' and 2'x 4' Kirmen rugs; dolls; wins; satuma; plates-bowls; etc.

China - Glass - Stoneware

Will mention a few prices; Platter; many plew oriental pattern ironstone pieces; stone ware, cowden 3 gal. with blue; Heisey; Adams eng; wave crest; sawtooth; 6 caster sets; carnival; bohemian; Lions head; cranberry; majolica; Pen Mar; washbowl & pitcher; Benington Lemonade pitcher 1850 cr; flo blue; 16 mustache cups and saucers; new set of Nortakee dishes; large glass crystal chandelier; etc.

Miscellaneous

Leather covered Pa. dowery box; many deep walnut frames and pictures; 7 tramp ware pieces; 30"x 40" half of a carousal horse; Gilbert mantle clock; 14 KT Elgin Lapel watch; brass and copper pieces; 1864 canvas painting, and other paintings; currier and Ives; dolls, baskets; 2 Franklin Co. histories, Bates 1887 and Seilhamer 1905; books on antiques; inlaid tea caddy; easel; brass hanging mirror with raised figurines; brass light with paneled shade; rayo light; quilts; beaded items; hanging brasslight, painted with prisms; figure eight clock; spinning wheel; butter churn; kerosene lights; G.E. refrigerator; S.T. 10 sears tractor with 36" mower and snow blower; 16" extension ladder; dishes, pots, and pans out of the kitchen, etc.

Hair Jewelry (69 Pcs)

All different segments of hair jewelry, ear rings; pins; bracelets, of hair and gold rope; etc. This collection of Hair Jewelry is one of the better collections known on the East Coast of the U.S. Hair Jewelry will sell at 1 P.M. sale day.

AUCTIONEER NOTE: This is a partial listing - send a self-addressed stamped envelope to J. Robert Meyers, Box 307, St. Thomas, PA 17252 for a complete sale list. Inspection sale day only. Doors open at 7 A.M. Be prepared to stay for an evening sale if needed. This is a collection of good antiques. This last sale at Lemaster in 1985 will prove to be one of the "Best."

TERMS: Cash

TYLETTA L. DALEY,
Administratrix
DAVID S. DICKEY,
Attorney

Auctioneer —
J. Robert Meyers, AU-000-601-L
Clerks —
Alleman and Smith

P.S. Real Estate will be offered in January 1986.

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

MON. DEC 16 - 12:30AM Bankruptcy Auction of International Medical Instruments, Inc., #1 Lore Ave. (Corner of Marsh & Phila. Pike), Wilmington, DE. Selling Comuter & Supplies, Office Eq. Rudnick Associates.

TUES. DEC. 17 - 10AM Construction Eq. For: Nami Bros., Inc., Trenton, NJ. Vilsmeie2 Auct. Co., Inc.

TUES. DEC. 17 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

TUES. & WED. DEC. 17 & 18 - 9:30AM Ea. Day. Troxel Farms Dispersal of 400 Holstein Dairy Cattle, Farm Eq. Located 8 mis. NW of Ashland, OH, on Ashland C.R. 658. From U.S. 250 in Savannah turn W. at the Restaurant, follow to sale. Jim & Jed Troxel, Owners. Brown's Auction Co. Steve Andrews, Dave Acker, Jake Schlabach, Robert Eby, Aucts.

WED. DEC. 18 - Johnson Bros. Auction Co. Farm & Industrial Eq. Consignment Auction, 45 mis. W. of Columbus, OH, on US Rt. 36 just E. of Fletcher, OH.

WED. DEC. 18 - 8:30AM Furniture, Oriental Items, Antiques, Jewelry, etc. Estate of Elizabeth Spittler. Located Lemaster Community Center, Lemaster, Franklin Co., PA. 13 mis SW of Chambersburg, PA J. Robert Meyers, Auct.

THURS. DEC. 19 - 10:30AM P.S.T. Line & Const. Eq., Contrs. Tools & Light Vehicles. For: The L.E. Myers Co. Group, Irvine, CA. Vilsmeier Auction Co., Inc.

THURS. DEC. 19 - 11AM Selling 150 Head. Melvin Kolb, Inc., Woodsboro, MD. Thomas Kolb, Manager.

H & H Auction

Every Thursday Night,
6:00 P.M.

Located on Strasburg Rd., Coatesville, ½ mi. East of Stottsville Hotel and 1 mile West of Rt. 82.

Household Goods & Appliances sold at every auction.

Consignments accepted.
Call 215-384-7647

Visit our used furniture and appliance store, 50 pieces of appliances at all times.

Auctioneer:
Richard Dunlap AU001605L

FARM MACHINERY CONSIGNMENT AUCTION

SATURDAY, DEC. 14, 1985

10:30 A.M. SHARP!

COHOCTON, NEW YORK

Sale to be held at the Terry Wilkins Farm located along Rte. 371 midway between Cohocton and North Cohocton, New York.

The following items already on our lot, to sell to the high bidder!

Ford 4WD "County" tractor; Case 970 diesel with cab; M.M. 1000 diesel; A.C. 220 diesel with cab and 20.8-38 axle duals; Case 580 Construction King loader-backhoe (needs torque work); Case Terra Trac crawler loader; J.D. 2010 gas tractor with 3 pt. hitch; David Brown 3800 diesel; 1960 Ford 500 flat bed truck; Case 16 ft. wing type transport disk; Case 12 ft. transport disk; J.D. A.W. disk; 3 pt. 6-row cultivator; A.C. 7b. on the land hitch, auto. reset plow; N.H. 469 haybine; N.I. 290 haybine; J.D. 24T baler; N.H. 268 baler; N.I. 36 ft. and Farmec 36 ft. baler-grain elevators; N.I. 325 2-row corn picker with 12 roll husking bed; 225 bu. gravity box on gear; 225 bu. gravity box only; N.H. 27 blower; Fox blower; Dion blower; N.H. 770 chopper with pick-up and 1-row corn head; N.H. 707 3 pt. 1-row chopper; Grove and Papec 3 beater s.u. wagons; Badger 1500 gal. vacuum manure spreader; N.H. barrel spreader; N.H. 519 spreader; Brady 1050 grinder-mixer; Farmhand 815 grinder-mixer; Gehl 95 grinder-mixer; M.F. grinder-mixer; Harvestor roller mill; 10 ton upright tapered bottom feed bin; Small upright (2-3 ton) tapered bottom bin; Feed augers; etc.

HONEST CONSIGNMENTS WELCOME! Bring in what you have to sel on Tues. Dec. 10th through Fri. Dec. 13th, 9:00 A.M. to 5:00 P.M. NO JUNK! Loading dock and forklift on site!

Terms: Cash or good check sale day. Proper I.D. required!

Auction conducted by
PIRRUNG AUCTIONEERS, INC.
Wayland, New York 716-728-2520

PUBLIC SALE

Truck load groceries, paper towels, canned goods, paper cups, soap powder, dog food, all kinds of groceries.

WED., DEC. 11th, 1985
5:30 P.M.
Bareville Fire Co.
211 E. Main St.
Leola, Pa.

OUTSTANDING ESTATE AUCTION

SATURDAY

DECEMBER 14, 1985

At 9:30 A.M.

Contents of a Hazleton, PA Victorian Home moved to Stoney Creek Barn, located 8 miles west of Hbg., PA. on rt. 22/322 to Dauphin, then east on Stoney Creek Road ½ mile to Stoney Creek Barn. Watch for signs day of auction.

ANTIQUE FURNITURE

Two 3 Pc. High Back Oak Bedroom Suites in Mint Condition, 3 Pc. Marble Top Walnut Victorian Bedroom Suite, Fancy Ornate Oak Halltree w/Bench, Walnut Marble Top Hall Mirror, 3 Pc. Clawfoot Mahogany Parlor Suite, 3 Pc. Victorian Parlor Set w/Needlepoint Seats, Ornate Carved Oak Buffet, 2 Curved Glass China Closets w/Clawfeet, Round Oak Pedestal Clawfoot Table, Walnut Marble Top Victorian Stand, Cabinet Victrola, Fancy Oak Rockers, Ornate Wicker Rocker, Unusual Wicker Floor Lamp, Walnut Sidechairs, Oak Serpentine Front Chest of Drawers, Walnut Blind Door Bookcase, Mahogany Rocker, Childs Rocker, Blanket Chests, Set of 6 Hitchcock Chairs, 2 Wingback Fireside Chairs, 2 Walnut Beds, Set of 4 Oak Carved Chairs, Pine Washstand, Oak Washstands, Drop Leaf Table, Vanity, 9×12 Oriental Style Rugs, 3 Pc. Living Room Suite, Oak Stands, Plant Stands, Clothestrees, High Chairs and Other Fine Furniture.

GLASSWARE LAMPS COLLECTIBLES

Tiffany Type Hanging Shade, Hand Painted Victorian Hanging Light, Hand Painted Table Lamp, 7 Pc. Cut Glass Water Set, Cut Glass Vases, Lg. Nippon & Noritake Vases, R.S. Prussia Pcs., Carnival Glass, Nippon & Noritake Bowls, Limoges Plates, German & Bavarian Hand Painted China, Stemware, Sterling Silver Candelabra & Spoons, Cut Glass Pitcher & Dishes, Nippon Mustache Cup, Staffordshire Dishes, Pressed Glass, Wallace Nutting Print, Westminster Chime Shelf Clock, Oak Shelf Clock, Crocks, Many Pcs. Roseville Pottery, Quilts, Beaded Purses, Depression Glass, Hull Art Pottery, Rayo Lamps, Occupied Japan Items, Tinware, Heisey Cream & Sugar, Northwood Carnival Bowl, Kerosene Lamps, Mantle Clocks, Metal Toys, Pfaltzgraff China, Pots, Pans, Picture Frames, Many, Many Items of Handmade Linens, Doilies, Dresser Scarves and Dry Goods!

NOTE: INSPECTION 6 PM to 8 PM Friday Evening December 13, 1985. Doors Open 8 AM Saturday. Everything listed here is in unbelieveable Mint Condition!! If you are buying antique furniture, do not miss this Auction!!

Estate of
ERNESTINE GROSCH
CATHERINE KNOX, Executrix
JOHN LAFEVER, Attorney

KERRY PAE AUCTIONEERS
4613 NORTH FRONT STREET
HARRISBURG, PA 17110
(717) 236-3752

AU 1367

PUBLIC AUCTION

HOUSEHOLD GOODS — TRACTOR LAWN MOWERS & TOOLS

SATURDAY, DEC. 14, 1985

AT 9:30 A.M.

LOCATED: Off Interstate 83 at Loganville Exit, travel east on Lake Rd., 1 3/10 mile, Sale on Right.

Farmall Cultivision A tractor w/plow & culti., Belt Pulley & PTO, David Bradley tractor w/culti., D.B. Harrow & Packer, David Bradley tractor w/Sickle Bar attachment, David Bradley Rototiller, M&M riding tractor w/snow blower, Jacobsen 18" rotary mower, "16 HP MT Wards Tractor w/Mower," garden seeder, pull type lawn sweeper, lawn cart, large yard seeder, sprayer w/engine, clover seeder, hand garden tools, Duster, fence posts, metal shelving, metal lockers, wrenches & socket sets, 6 ft. section of disk, lawn roller, wheelbarrow - rubber tire, fishing rods, car ramps, 200 - 6" cement blocks, storm windows, picnic table, gas grill, tow chain, power hand sander, electric side grinder, drills, vise, McCullock chain saw, jig saw, 24 ft. aluminum ladder, Skill saws, 6 & 12V battery charger, wet & dry vacuum, ½ hp. portable air compressor, garden sprayer, bug wacker, B&D hedge trimmer, tackle box, levels & other tools, sled, water proof paint, Army Field telephone.

Air conditioner 5000 BTU, dehumidifier, ceiling lights, window fan, Christmas decorations, upright freezer - LIKE NEW, folding ping-pong table, crocks, perfection heater, utility cabinet, ice cream freezer, pressure cooker, pots & pans, table w/drawer, double wash tubs, wooden wardrobe, 2 burner kerosene stove, Zenith TV.

TERMS: CASH OR GOOD CHECK

MRS. OTIS KISER
R.D. #2
York, Pa.

AUCTIONEER:
Blaine N. Rentzel
Lic. #761-L
Emigsville, PA
717-764-6412

Asst.:
Nevin & Ed
Lic. #1442 & 1329-L

(This ad will appear (1) time only!)

PUBLIC AUCTION

Valuable Real Estate
Apartment Complex
Tractor, Macad. Rollers & Maint. Items

FRIDAY, DECEMBER 13, 1985

at 12:00 Noon

Real Estate at 2:00 P.M.

Location: At the intersection of Loop Rd. and Lexington Rd., known as Lexington Apart., 20 Loop Rd., Lexington, Elizabeth Twp., Lancaster Co. Pa. Approx. 3 miles north of Lititz, Pa. along Rt. 501. WATCH FOR AUCTION SIGNS.

REAL ESTATE: consists of 3 large frame apartment buildings. Unit #1 contains 4 rental units. Each having a modern eat-in kitchen, living room, dining room, 2 bedrooms, 1 full bath w/shower, and paneled walls. Laundry area with washer & dryer, large cellar, coal fired hot water heat. One rental unit utilizes an attic. Also there is a 2 room efficiency in the basement. Unit #2 contains 4 rental units and all of the same living area stated above with the addition of a maintenance area in the basement. Unit #3 contains 2 rental units w/same living areas stated above with a garage for second floor occupant. Each apartment building is well insulated and has storm and screen combin., good roofs, and large parking area. Property has a lot size of 1.8 acres, 40 estab. fruit trees, and a well & septic system. Property Zoned R2 resident.

NOTE: REAL ESTATE to be offered by the entirety. This complex is ideally located in Lititz, Lancaster, Lebanon, Manheim & Ephrata.

TERMS on REAL ESTATE: 10% down day of Auction. Settlement on or before Jan. 31, 1986.

INSPECTION of REAL ESTATE: By Appointment. Call Auctioneer at 717-569-2079 or 627-8008.

TRACTOR-MACAD. ROLLERS-MAINT. ITEMS

at 12:00 NOON

Allis Chalmers tractor w/cultivators, Essick Macadam 30" wide roller mod. no. VR281, full size self propelled highway roller, '72 Ford pickup, hydro pallet never used propel., Holsckew Bros. trailer for 2 motorcycles, Scamper 7 hp riding mower, large safe, Jacobs Beam scales, meat scales, metal & wood shelving, plumbing fixtures, siding, tires, misc lumber, bicycles, copper tubing, 3 hp motor w/pump and other items too numerous to mention.

Auction starts promptly at Noon.

Terms: Cash, certified check or established customer checks.

Auction by
ARLENE M. GROFF

Attorney: J. Marlin Shreiner
28 E. Orange St.
Lancaster, PA
393-1748

Auction Conducted by:
AL Reist, Auct.
AU-001637L
Art Reist, Apprent.
Lanc., Pa.
717/569-2079, 627-8008

Reist Auctioneers

Food Available

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. & SAT. DEC. 20 & 21 - 2 Day Public Auct. Fri. 12 Noon; RE 2PM. Sat. 9AM. Public Sale of Valuable Real Estate, Hshld., Antiques, Farm Eq., Tools. Located along Rt. 23 at 281 E. Main St., Leola, R2. Terms by: Lois J. Martin, Executrix for Ralph Carl Estate. Robert E. & Jeffrey R. Martin, Aucts. Frank L. Steller, Auct.

SAT. DEC. 21 - 1PM 10.5 A. dairy farm. Located: Juniata Co., PA, along Rt. 75 between Penulack & E. Waterford. Terms by: Phares & Anna Zeiset. Lamar & Melvin Sensenig, Aucts.

SAT. DEC. 21 - 9:30AM Utility Eq. & Vehicles. For: Bell of PA, Trevose, PA. Vilsmeier Auct. Co., Inc.

SAT. DEC. 21 - 2PM 1.25 A. Tract & Building, 7200 sq. ft., New Holland, PA. Location: Along Rt. 23 E. of New Holland adjacent to Earland Industrial Park. ½ mi. W. of Rt. 23 and Rt. 322 intersection. Terms by: Paul H. Kurtz, Inc. Randal V. Kline, Lloyd Kreider & Roy Good, Jr., Aucts.

SAT. DEC. 21 - Farm Eq., Hshld. Located along Red School Rd., approx. ½ mi. S. of Rt. 23, Caernarvon Twp., Lanc. Co., PA. Terms by: Mark & Alice Yoder. Alvin Horning, Auct.

THURS. DEC. 26 - 12 Noon Holiday Sale. Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auct.

SAT. DEC. 28 - 11AM Trucks, Tractors, Planters, Implements. Located Robert Williams Farm, Pemberton Drive, Salisbury, MD. Robert Williams, A. Franklin Holloway, B. Frank Adkins, Raymond Holloway, Owners. Pete Richardson Auction Sales.

SAT. DEC. 28 - 10AM Farm Eq. Located along Covered Bridge Rd., Oley Twp., Berks Co. Terms by: Dan & Mildred Mast. Horning Farm Agency, Inc.

TUES. DEC. 31 - 7:30PM Holiday Sale. Penns Valley Livestock Auction, Centre Hall, PA. Ron Gilligan, Auct.

JOHNSON BROS.

AUCTION CO.

FARM & INDUSTRIAL EQUIP.

CONSIGNMENT AUCTION

45 mi. West of Columbus, O. on U.S. Rt. 36 just of East of Fletcher, O. AUCTIONS LAST WED. OF EVERY MONTH, except for on DEC. 27, 1985.

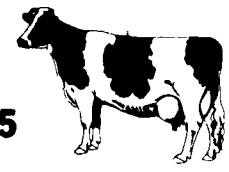
100-150 Tractors, 1500 pieces of new & used equipment. We accept consignments 5½ days a week.

For more information call Home Office; WVA. Johnson Farm Equip. 304-547-0740, 304-547-0737, or in Fletcher, Oh, 513-368-2246.

TROXEL FARMS DISPERSAL

Will sell at the farm located 8 mi. NW of Ashland, Ohio, on Ashland C.R. 658. From U.S. 250 in Savannah turn west at the Restaurant, follow to sale. From S.R. 13 north of Mansfield turn right on Crum Rd. to Townline then left to sale. (Signs posted).

MILKING COWS
TUESDAY, DECEMBER 17, 1985
HEIFERS & EQUIPMENT
WEDNESDAY, DECEMBER 18, 1985
9:30 A.M. BOTH DAYS



400 HOLSTEIN DAIRY CATTLE 400: Selling on Tues. approx. 260 mature milking cows including some red & white Hols., in all stages of lactation. Approx. 60 head recently fresh or close springers. These cattle are milked presently as three different herds. All are free stall and parlor operations w/grain fed in the parlor. Roughage fed is hay & pasture, no silage. All cows carry service to excellent reg. herd sires that run w/the individual herds. These cattle will all be pregnancy checked and the herds extensively culled prior to sale date. Also all cows will be blood tested for TB & Bangs. Cows are on test and current production will be available in the catalog sale day. One herd avg. 50 lb./cow/day; the other 2 in the 40's. Many Spring freshening cows also. If you'll take the time to attend, I think you'll be pleased with what your money will buy at this dispersal. These cattle will really respond to better feed.

SELLING WED.: 45 head heifers, presumed bred-checked open-exposed to new bull 30 days; 45 head of heifers exposed to bull in pasture (bred 3 months or less); 50 open heifers from calves thru 400 lbs. These heifers are all raised on the farm, some are calfhood vac.

TRACTORS, SKID STEER LOADERS, DOZER, TRUCK: Case 1450 diesel dozer w/less than 1000 hrs. 10' blade, 6 cyl. engine, good cond.; Case 2870 Traction King 4WD diesel tractor w/30.5L x 32 rubber, 3 pt. cab w/air, 674 cu. in. engine, 4 remotes, 1300 hrs.; Rhino 3500 14' hyd. blade sells sep.; Good Case 2290 diesel tractor, 504 cu. in. engine, dual remotes, 3 pt. cab w/air, less than 1000 hrs. (new rear end) been to the pulls; Case 1070 diesel tractor w/3 pt., 18.4 x 34 rubber, cab, rough cond.; Ford 3600 diesel tractor, 3 pt., ps, 4 over 2 speed trans.; 2 Ford 2600 diesel tractors w/3 pt. ps, 4 over 2 speed trans.; Oliver 1600 gas tractor w/3 pt.; Oliver 770 gas tractor; Oliver 77 row crop gas tractor; Case 1845 diesel uniloader; Case 1845 gas uniloader; Int. 1800 Loadstar gas tractor, single axle, 2 speed; 32' Lowboy trailer.

FARM MACHINERY: 2 NH 679 tandem manure spreaders w/hyd. gates; NI 456 Bale King round baler w/liquid applictor; Owatonna 595 roll baler w/hyd. tie; Owatonna 540 hay stacker; Ford rake (rough); Better Bilt single axle liquid manure w/Pearson pto pump; NH 1495 self-propelled gas haybine w/12' head; JD 2250 SP haybine (engine OK-machine as-is); Woods mod. 320-20' bat wing mower; FMC sidewinder rotary mower; JD 336 & 346 square balers (no kickers); Little Giant 42' elev.; NH 36' bale elev.; NI pull type mower; old NH 36 flail chopper (rough); JD 310 tandem hopper wagon; 2 good green chop wagons; 5-10T hay wagons; Case 5 x 16" 3 pt. offset hitch hyd. reset plow; Case 21' folding wing disc (rough); Bush Hog Mod. 1424 3 pt. 10' double disc; 3 box scraper blades; Woods RB 700 3 pt. blade; 10' angle blade; Danhueser post hole digger; NH 676 tandem spreader; Wind Power 45/25 PT2 farm alternator.

HAY: Approx. 100 large round bales of hay.

Lunch Stand

TERMS: Cash.

OWNERS,
TROXEL FARMS INC.
Jim Troxel
419-962-4320
Jed Troxel
419-895-1128

Sale Managed By
BROWN'S AUCTION COMPANY
4032 Easton Rd. Creston, Ohio
Phone: 216-435-4130

Auctioneers

Steve Andrews	Dave Acker	Jake Schlabach	Robert Eby
216-262-9186	216-264-8349	Fredericksburg, OH	Ashland, OH

AUCTION

1st SEMI-ANNUAL CONSIGNMENT SALE
SATURDAY, DEC 14, 1985
10:00 A.M.
New Hope Road, Moravia, New York
New Hope Fire Dept. grounds, off Route 41A, between Cortland, N.Y. and Skaneateles, N.Y.

We have several good lines already consigned. Including JD4020, I.H.400D, IH-C, IH 1456w/duals, TD18 Bulldozer, Farmall A, MinniMo G1000.

Also a complete line of Horse Drawn Machinery. Including Buggies - Sleighs - manure spreader - Cortland Carriage Co. Surry w/Fringe - 3 gas engines - drag saw w/Large Gray engine.

Much More. Tillage - Hay - Forage - Lawn & Garden Equipment.

Consignments coming in every day. Watch next week for listing.

FOR CONSIGNMENTS call:
Dick Stoyell 315-497-1033 anytime

AUCTION

11TH FARM MACHINERY CONSIGNMENT AUCTION
SATURDAY, DEC. 14, 1985
9:30 A.M.

Location: Jim Trout's Farm, 10104 Dublin Road, Walkersville, MD. From Frederick take Rt. 15 North to Devilbiss Bridge Rd. & turn right, straight to Dublin Rd. & turn left, straight to sale site. From Rt. 194 take Devilbiss Bridge Rd. & turn right on Dublin Rd. to sale site on left.

TRACTORS, EQUIPMENT & VEHICLES

TRACTORS

INT. 4156 Diesel Tractor w/4 wheel drive w/full cab, 3 pt. hitch, dual hyd. outlets; INT 1466 Diesel Tractor w/wide front 3 pt. hitch; WHITE 2-70 Diesel Tractor w/wide front, 3 pt. hitch, roll bar & canopy, recently overhauled; INT. 350 Utility Tractor, w/loader, wide front & fast hitch; M.F. 30 Gas Tractor w/wide front, 3 pt. hitch; OLIVER 1250 Gas Tractor w/wide front, 3 pt. hitch; LEADER Gas Tractor w/wide front, & 3 pt. hitch.

EQUIPMENT

SWARTZ Mdl. 750 Mixer Wagon w/scales, N.I. 245 Manure Spreader w/hyd. gate; N.H. Manure Spreader, approx. 135 bus.; N.H. 469 Haybine; (2) INT #10 Grain Drills; FOX 3300 Harvestor w/pickup head & 2 Row 30" corn head; WHITMORE Grinder Mixer, 3 pt. Rotary Mower; 3 pt. Scraper Blade; 3 pt. 2-Bottom Plow; LITTLE GIANT Cross Conveyor; INT. 56 Silage Blower, BUSH HOG 5 hp. Gas Log Splitter w/road wheels & ball hitch; (2) Underground Gas Tanks, good cond.; VIP FORAGE HARVESTOR AUTOMATIC KNIFE SHARPENER, used very little, for straight or angled knives.

VEHICLES

1975 OLDS CUTLASS, 2 door w/p.s./p.b., auto. trans., & AC; 1979 FORD ¾ Ton Pickup, 4x4 Drive w/V8 4 spd. trans; 1964 CHEVROLET 4x4 1 Ton Dump Truck, V8 4 spd. trans.

ALSO SELLING

New & Used Tools, Cured Meats & Canned Goods.

TERMS: Cash/Check on day of sale. Not responsible for accidents. A 5% MD sales tax will be collected unless purchaser has a MD tax. #.

NOTE: Most of this equipment is selling ABSOLUTE to the highest bidder. STILL ACCEPTING CONSIGNMENTS - TO CONSIGN CONTACT:

Randy Ruby
Office 301-663-1555
Home 301-898-3673
Sale Site 301-898-7617
Lunch Available
SINCE 1920

Trout Auctioneers, Inc.
15 North Court Street/Frederick, Maryland
301/663-1555
"Experience Doesn't Cost — It Pays"

PUBLIC SALE
COMPLETE DISPERSAL OF HIGH GRADE HOLSTEIN DAIRY CATTLE
45 HEAD

The undersigned, discontinuing the dairy business, will sell the following at public auction at the ABERDEEN SALES CO. INC., Livestock Auction Market located on Md. Rt. 22 in Churchville, Md., Harford Co., on:

WEDNESDAY NIGHT
DECEMBER 11, 1985
7:00 P.M. Sharp

This herd consists of 18 cows that freshened in the last 90 days; 7 cows are due in the next 60 days; balance in full flow of milk and rebred. The owners have used Sire Power Breeding for 30 years. Cows are home raised, have good size and the kind of udders you want to see. Cows in production are averaging 48 lbs. Herd is T.B. accredited, certifed bangs free, and tested within 30 days of sale for shipment anywhere. Complete information on cows will be available at sale time. If you need foundation cows or additional cows, plan to attend this sale.

TERMS: CASH
OWNERS:
ALBRIGHT BROTHERS
Baldwin, Md.
Phone: 301-592-6513

ABERDEEN SALES CO. INC.
Livestock Auction Mkt.
P.O. Box C, Aberdeen, Md. 21001
Phone: 301-836-7590
734-7105 Night

AUCTION SALE

TRACTOR — TRUCKS
COMBINES — IMPLEMENTS

Having retired, Melvin W. Gaskill will sell the following farm machinery on

SATURDAY, DEC. 14, 1985
Beginning at 11:00 A.M.
Taylor Landing Rd.
Girdlestree, Md.
(South of Snow Hill, Md.)

DIRECTIONS: From Salisbury, Md. take Rt. 12 through Snow Hill, Md., south to Girdletree, turn left on Taylor Landing Road, follow sign to County boat landing, sale on right.

Massey Ferguson 1155, cab & air, 18.4 x 38 tires, factory duals, dual remotes, Sn 9B73616, only 1491 hours, ex. condition; Massey Ferguson 1085, multi-power, cab & air, dual remotes, 16.9 x 38 tires, power adjust wheels, one season since engine overhaul, very good; Massey Ferguson 1080, dual power, dual remotes, power adjust wheels, 16.9 x 38 tires; Massey Ferguson 510, diesel hydrostat w/ mud hog, cab & air, 2060 hours, 23.1 x 26 tires, w/15' floating header; 1963 Ford F-600, 292 V-8, 4 x 2 speed trans., w/14' body; John Deere 7000 4 row maxi-merge planter w/fertilizer, insecticide & monitor; Hardee offset mower, manual slide, very good condition; MF 620, 68 blade manual fold disc, ex. condition; Kiwawanna 40 blade transport disc; 12' Ferguson chisel plow; 8' Ferguson 3 bar chisel plow; 2 Ferguson 4 row cultivators; Oliver 5 x 16 566 plows; MF 4 x 16 3 pt. plows; MidWest harrow for 7000 JD planter; MF 4 row 3 pt. rotary hoe; 2 shank bush hog rotary cutter; 2 row cultivator w/fertilizer; 15.5 x 38 adjustable duals; 18' corn elevator; anvil; 3 leg hog pot; bushel baskets; Oliver Superior 16 spout drill; 3 section drag; MidWest buster bar; 200 gal. 3 pt. Clark sprayer; Mid States 300 amp welder w/missing link unit; saddle tanks, 100 gal. each; old concrete mixer; Warner hydro floor jack; Air bumper jack; 1934 Ford V-8 grill; steering axle & tires for MF 510 combine; Rakes, hoes shovels; tractor weights.

All of this equipment is in good to excellent condition.

TERMS: Cash or good check on day of sale. Checks from FDIC banks only.

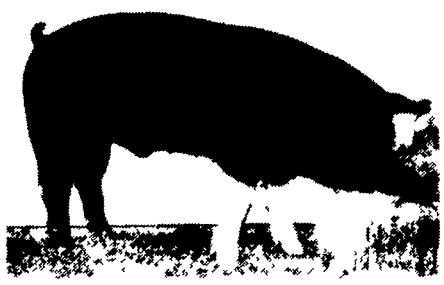
Owner
MELVIN W. GASKILL
PETE RICHARDSON AUCTION SALES
P.O. Box 51, Willards, MD 21874
Phones: 546-2425—Office 742-6220—Home

Dairy and Livestock Sales

FEESER'S

PRIVATE TREATY SALE
DECEMBER 13
10 AM - 4 PM

Boars & Gilts will be prepriced according to performance data.



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50 GILTS Hamps • Yorks • Cross
Performance data on
Boars & Gilts

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Taneytown, Md. 21287
301-751-1287
"We Guarantee What We Sell"

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

JANUARY

WED. JAN. 1 - 1:30PM Farm Toy Consignment Auction, old and new. Located Paradise, PA, at the firehall. Robert E. & Jeffrey R. Martin, Aucts. 717-768-3554 or 768-8714.

WED. JAN. 1 - Farm Eq. & Tools. Located RD1, New Holland, PA. E. of Hinkletown off of 322. David L. & Enda Z. Weiler, Owners. Paul E. Martin & John D. Stauffer, Aucts.

WED. JAN. 1 - 10AM 5 Acres Real Estate & Arcade Eq., Hshld, Truck, Toy Trains. Located Along Rt. 322, Hinkletown (Approx. 3 mis. E. of Ephrata) Earl Twp., Lanc. Co., PA. Eshelman's Service Center. Terms By: Horace S. & Mildred B. Eshelman. T. Glenn & Timothy G. Horst, Aucts.

FEBRUARY

SAT. FEB. 8 - Farm Eq. & Tools. Located along Rt. 897 between Kleinfeltersville & Schaefferstown, PA. Aaron H. / Stella B. Martin. Paul E. Martin & John D. Stauffer, Aucts.

TUES. FEB. 11 - 9:30AM Farm Mach., Mules, Hay & Straw, Hshld. Strasburg, RD1. Sale by Ruth Z. & Aaron S. Fisher, Jr. Alvin Miller & Elvin Siegrist, Aucts.

FRI. FEB. 14 - Complete Dispersal of Mostly JD Farm Mach. Located 4 mis. W. of Wakefield, Drumore, Twp. Robert McCauley, Owner. J. Everette Kreider, Auct.

THURS. FEB. 20 - 10AM Farm Eq. Located between Saudersburg & Paradise at 2971 Lincoln Hwy. East, 6 mis. E. of Lancaster, Lanc. Co., PA. Terms by: Tom Wheary & Sons. Robert E. & Jeffrey R. Martin, Aucts.

THURS. FEB. 20 - 9:30AM Cattle sold at 12:30. 70 Head Reg. Holsteins, Farm Mach. Narvon, Lanc Co., PA. Emanuel Fisher, Owner. Steve & Steve, Jr, Petersheim, Aucts.

PUBLIC AUCTION

Valuable Commercial Real Estate
1.25 Acre Tract & Building,
7200 Sq. Ft.
New Holland, PA
9½% Owner Financing
SATURDAY DECEMBER 21
2 P.M.

LOCATION: Along Rt. 23 East of New Holland adjacent to Earland Industrial Park. ½ mile West of Rt. 23 and Rt. 322 intersection.

60' × 120' attractive brick and masonary building with macadam parking area. Completely adaptable to varied Commercial purposes all on 1.25 acre lot. PROPERTY MUST BE SOLD! Financing Available to prequalified Buyers. Call Auctioneers for complete pictured brochure, terms, etc. 717-733-1006.

OPEN HOUSE: Saturday, December 7 & 14 from 1 to 3 pm or by appointment.

Terms By:
PAUL H. KURTZ, INC.
717-626-5691

Auction Conducted By:
Randal V. Kline, Lloyd Kreider
Roy Good, Jr., Auctioneers
717-733-1006
Lic. #000499-L

Kreider & Kline Auctioneers
345 W Mt Airy Rd , Stevens, PA

PUBLIC SALE
OF
REAL ESTATE

10.5 A. dairy farm, option to buy or rent adjoining 80 acres.

SATURDAY, DEC. 21, 1985
AT 1:00 P.M.

Location: Juniata Co., Pa. Along Rt. 75 between Penulack and East Waterford

2½ Story Double Brick Dwelling

with 18 rooms, most measuring 17'x19'.

1st floor: 2 kitchens- one kitchen and dining room combined, full bath, 2 open stairways, 2 living rooms, storage room.

2nd floor: 8 large bedrooms, full bath.

4 fireplaces, 2 separate basements, 2 wood stoves, full attic, good well.

Dairy Barn

L-shaped bank barn, 60x40 and 50x50, with 4 bays.

25 tie stalls, 77 free stalls, milkhouse with 625 gal. Sunset bulk tank, loafing area.

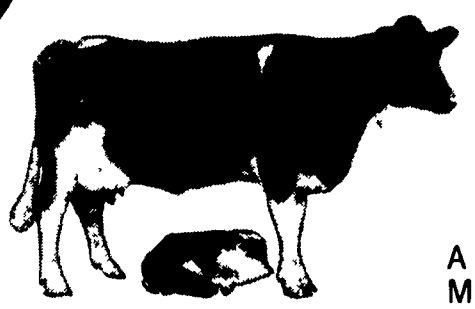
20x30 pole shed for heifers, corn crib. Large stream bordering property.

TERMS: 10% down day of sale. Final settlement on or before March 1, 1986. Financing available to qualified buyer.

Not Responsible for Accidents

Terms by
PHARES & ANNA ZEISET
Ph. 717-354-7180

AUCTIONEERS:
Lamar Sensenig 532-9160
Melvin Sensenig 776-5054
Lic. # AU-001803-L



COMPLETE HERD DISPERSAL

A Special Christmas Sale With A Very Special Herd. At The Shady Lane Dairy Sales Inc., ¼ Mile West Of Quarryville Off Oak Bottom Rd.

143 HEAD REGISTERED AND HI GRADE HOLSTEINS 143
SATURDAY MORNING, DECEMBER 14th,
11:00 A.M.

Herd Consists of 80 head home raised Holsteins from Mr. & Mrs. Robert Harrison, Woodbine, Md., of which 30 cows and 1st calf heifers are recently fresh. App. 20 more due soon, balance all stages lactation. The Harrison's have been breeding and milking Holsteins for 41 years, and as the neighbors say always produced a lot of milk and have good cows. Only a few cows over 5 yrs. of age.

Herd Selling due to health problems. Also 60 head fresh and close cows and 1st calf heifers selected for this special sale, which we have been getting ready for 2 months.

Some outstanding stock bulls with top breeding and high milk and test records up to 30,631 milk, 3.9 test, 1,191 fat. 30 day TB and Blood test, pregnancy examined.

SHADY LANE DAIRY SALES, INC.
Quarryville #4
Phone Glen 1-717-786-2750
Dave 1-717-786-1725

P.S. Make your plans to allow yourself to attend this Dispersal and Special Day as we think you will be well pleased!

Wishing You All A Very Merry Christmas
And A Happy New Year

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. FEB. 21 - Mostly Case Farm Mach. Located 3 mis. E. of Wakefield, Little Brittian Twp. James Ross, Owner. J. Everette Kreider, Auct.

TUES. FEB. 25 - 9:30AM Edwin Horning & Sons Farm Mach. Located: Along Meadow Valley Rd., 1½ mis. W. of Ephrata, Lanc. Co., PA. Horst & Rentzel, Aucts.

THURS. FEB. 27 - 9:30AM Dispersal of High Grade Holsteins, Farm Mach. Whitehorse, Lanc. Co., PA. Elam A. & Dora Riehl, Owners. Steve & Steve, Jr., Petersheim, Aucts.

THURS. & FRI. FEB. 27 & 28 - 9AM Antique Tractors, Engines, New, Used and Abused Farm Mach. Located 10 mis. E. of Lancaster; 2½ mis. W. of New Holland, turn off of Rt. 23 on South Groffdale Rd., turn left on Musser School Rd., Lanc. Co., PA. Terms by: Elias S. Beiler. Robert E. & Jeffrey Martin, 656-7770. Blaine Renzel & Freddy Goodrich, Aucts.

FRI FEB. 28 - Mostly AC Farm Mach. Located 3 mis. N. of Wakefield, East Drumore Twp. Joe Overly, Owner. J. Everette Kreider, Auct.

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P M
Horse Auction
2nd Saturday each month
1 P M.

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Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

MARCH

SAT. MAR. 1 - 9AM 22 Annual Bart Fire Co. Sale, Bart, PA.

MON. MAR. 3 - Farm Eq. & Tools. Located RD4, Lititz, PA, 3 mis. W. of Ephrata off of 322. Dennis E. & Deena L. Hess, Owners. Paul E. Martin & John D. Stauffer, Aucts.

WED. MAR. 12 - All Kinds of Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

SAT. MAR. 22 - Lancaster Farm Toy Auction, Show & Sale: 9AM to 3PM. Auction Starts at 5PM. Located Lancaster Treadway Inn, Rt. 30 & Oregon Pk. (Rt. 272), Lancaster, PA. Wally Hooker, Auct.

MON. MAR. 24 - Farm Eq. & 3 Tractors. Ronald M. Carper, R1, Manheim, PA. Along Landisville Rd., just W. of Rt. 72 in E. Petersburg on Graystone Rd. to Landisvally, PA. Wolgemuth Auction Service.

SAT. MAR. 29 - Full line of Farm Mach. Pine Grove, Schuylkill Co., PA. Paul Martin, Owner. Steve & Steve, Jr., Petersheim, Aucts.

APRIL

WED. APR. 23 - All Kinds of Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

MAY

MON. MAY 26 - Antique Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

AUCTIONEER'S DIRECTORY

NOTICE
To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.

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Time Change Day Sale

STOP - LOOK - THINK!
HAPPI HOLLOW FARM

Time Change Day Sale

Complete Milking Herd Bred Heifer Dispersal From

Harold Bodder, Perkaise, PA. Bucks Co.

To be Held at Smoketown Quality Dairy Sales Co. Smoketown, PA. Rte. 340.
Certified & Accredited. Mostly All Home Raised & VACC.

FRIDAY, DECEMBER 20, 1985 12:00 NOON
REGISTERED & GRADES

FALL HERD OF COWS

Rolling Herd Average-18,323m. 621F.
68.7 Cows Avg. 58.4 lbs.m. 591 Protein.
Mr. Bodder received ribbon for high protein for 1984.
Somatic Cell Count 200,000 to 300,000.
All bred by Sire Power, Standard - Saul - Spirit - Chairman - Wiseman Stewart, and others.
Avg. Age - 2 yrs. to 5 yrs. Calving intervals 12.5 mo.
Herd 5th highest on D.H.I.A. for 1984.
Herd Average for JAN. 1985-19,311m. 687F.
FEB. 1985-19,174m. 693F. 648 prot.

Two Bred Registered Heifers-Due This Month.

Reg.-Sire-Green Banks OAK Star Twin-Born 12-4-83.
Bred to Breeze View Rob Royal Stewart
DAM-Whittiers-Farms Apollo Rocket.
Owners Sample 3 yr 267d. 16,697m 3 7% 618F.
4 yr. 298d 14,304m 3.9% 557F
Reg.-Sire Sinking Springs Rocket Mandate-Born 12-22-83
Bred to Marlu Basic.
Owners Sample DAM-Round OAK-Elevation
4 yr. 305d. 14,429m 4 3% 625F
7 yr. 305d. 16,308m 4.5% 731F

Some Records Of Heifers And Cows Selling Nov. 1st.

3 yr. old-Fr	16 days			-85 lbs m 3 8%			
2 yr 11m	205d	13,531m	milking	53 lbs	proj 17,772m		621F
2 yr	275d	18,949m.		54 lbs	proj 15,856m		503F
2-1 Fr	30 days			59 lbs			
2-5	196 days	12,562m.	milking	61 lbs	proj 18,144m		548F
2-10 Fr	60 days			71 lbs	proj 16,795m		564F
6-8	142 days	12,213m	milking	82 lbs	proj 22,027m		518F
3-11 Fr	62 days		milking	86 5 lbs	proj 19,877m		633F
4-3 Fr	54 days		milking	120 lbs	proj 25,206m		476F
5-4 Fr	61 days		milking	100 3 lbs	proj 21,548m		687F
2-9 Fr	47 days		milking	90 lbs	proj 19,753m		518F
6 yr Fr	128 days		milking	87 5 lbs	proj 21,596m		
4 yr Fr	42 days		milking	87 lbs	proj 19,267m		771F
2 yr. Fr	55 days		milking	75 lbs	proj 17,757m		
2 yr milking				79 lbs 3 6%			

More Details in Next Week's Issue.

MILK—MILK—MILK

Plan to spend a few hours at Cowtown in Smoketown Friday Dec. 20-12:00 noon
Cash Or Check Day Of Sale

Carl Diller/Paul Snyder-Auctioneer
Henry Kettering-Pedigrees

******Sale Managed by******

SMOKETOWN QUALITY DAIRY SALES CO.
Gordon & Helen Fritz
717-393-0930

MELVIN KOLB, INC.
CHRISTMAS SALE

200-QUALITY HOLSTEINS-200
DAY SALE STARTS 11:00 A.M.
FRIDAY, DECEMBER 13th, 1985

LOCATION: West of Lancaster on Dairy Rd. Take Rt. 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Rd., turn left after exiting, go to mill, then sharp right under railroad bridge. Barn within sight of Rt. 283.

200 Head of Fancy Holsteins
Especially Selected For This Sale!!

1 trailer load from Wisconsin; 1 trailer load from Maine; 2 trailer loads from New York; 1 trailer load from New Hampshire; 1 trailer load from Western & Upstate PA; 1 trailer load from Vermont & CT.

There will be 75 PUREBREDS of the finest quality, some classified with records, and selected from the most outstanding herds we could find. Some of these cows are milking up to 100 lbs. per day. There will be 100 head of Fancy GRADE Cows, just fresh, milking 80 to 90 lbs. Also, 25 fancy grade springers and 25 big fresh Purebred first calf heifers.

SPECIAL MENTION

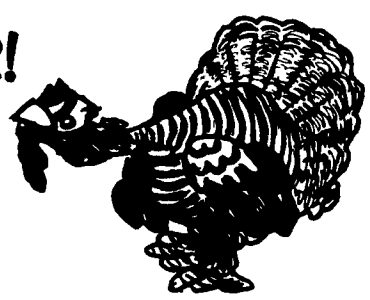
- a 4 yr. old, VG,87 LAWCREST MARVEX dau., fresh, as 3-1 310d 17,200m 4.3% 738f, her dam a Stillwell Ollie Oliver dau., as 3-6 354d 19,270f 3.9% 762f., next dam as 7-0 290d 17,540m 3.8% 672f.
- a STRAIGHT-PINE ELEVATION PETE dau., GP,83, 3 yr. old, as 2-9 338d 16,061, 3.5% 559f, Index +220, just fresh, her dam is EX-90-2E VEEV as 9-1 328d 27,031m 892f.
- an S-W-D VALIANT dau., GP,83, springing to Stewart, as 3-10 335d 14,070m 4.2% 584f, her dam VG,85 Life-O-Riley Marquis King dau. as 4-08 315d 18,630m 3.4% 626f, next dam is EX-90-2E as 6-02 305d 21,220m 4.0% 846f.
- a VG,88 WHOLESOME PERSEUS LEADER dau., bred to Sir-Cal Clark Nite Train-ET as 3-3 305d 16,460m 534f., dam is GP at 305d 17,513m 4.0% 694f, next dam is VG.
- a VG,86 COUNTRY HOME ASTRO KING dau. at 2-7 17,090m 4.2% 710f, dam is VG,86 at 296d 21,180m 3.7% 789f, 2nd dam is GP at 266d 19,670m 598f. 3rd dam is GP at 305d 20,320m 735f.
- a WILSONDALE MODEL dau., GP-3yr. 18,620m 3.7% 690f, dam's 297d 19,030m 666f.
- a CREEK-BLUFF ELEVATION LESTER dau., dam at 2-0 18,490m 4.0% 747f.
- a KINGWAY ELEVATION VERY dau., dam's 2-0 219d 20,082m 712f.
- a WILLOW-FARM ROCKMAN IVANHOE dau., 3-0 305d 16,690m 555f, dam at 305d 21,510m 776f.
- an I-O-STATE CHIEF FORD dau., dam's at 22,470m 754f, 2nd dam is EX at 365d 26,470m 930f.
- an H-Y WILSONDALE BELL JAEGEN-ET dau., dam at 520d 20,270m 4.1% 840f.

- a HAZELWOOD COUNT TROJ-RED dau., fresh, milking 90 lbs., fancy Red & White heifer calf by Gay Home Valiant Jim.
- Red & White U-E-L Cheyenne dau.
- a Hazelwood Count Troj-Red dau., bred to Valiant Jim.
- a WEAVERS IMPROVER-RED, fresh, heifer calf by Hi-De-Ho Sunrise Nick-Red-ET.
- a HANOVER-HILL TRIPLE THREAT-RED dau., dam is VG,87 at 3 yrs. 14,500m 511f, 2nd dam is EX-90 at 305d 18,300m 4.0% 735f.
- a GREEN-BANKS OAK-STAR dau., dam's 2-0 14,759m 547f.
- a ZION-VIEW AMYS GRAND FORTUNE dau., at 3 yrs. 268d 12,660m 4.2% 535f., dam is VG at 146d 10,830m 371f incomplete, 2nd dam is VG.
- a NORTHCROFT ADMIRAL CITATION dau.
- A KILLDEE RAG APPLE CHIEF dau.
- a HARSUE MILESTONE DENNY dau., dam is VG,85 at 305d 17,200m 3.8% 649f.
- a TRUDGEN MOCH FOUR dau.
- a WILLOW-FARM ROCKMAN IVANHOE dau.
- an OCEAN-VIEW SEXATION dau., dam is GP at 305d 20,960m 762f.
- a ROYBROOK STARFLITE dau.
- a BIS-MAY ASTRO JUPITER dau.
- a GAYDALE FURY ALERT dau.
- a PUGET-SOUND SHEIK dau., 2 yrs. 301d 13,030m 484f.
- a ROSE-E-VUE ROCKMAN COUNT dau., at 305d 18,840m 647f, dam at 305d 21,250m 714f.
- a HILLHAVEN STANDOUT JOB dau., 3 yrs. 305d 19,350m 3.9% 758f., dam 273d 17,220m 4.0% 693f.
- 3 SERVICE AGE BULLS!!!

FARMERS...

Please do not miss this Special Christmas Sale on Friday, Dec. 13th at 11 00 a.m. set aside this date to see our fine selection of cattle. We also wish to thank all of you for your patronage and friendship during this past year!

COME EARLY!
ENJOY FREE CHRISTMAS DINNER!
BUY A COW!
RECEIVE A FREE TURKEY!
WIN A PB HEIFER CALF!



FREE TURKEY FOR EVERYONE THAT BUYS A COW!!!

Special FREE Christmas Dinner will be served!

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

FREE Transportation for Lanc. Co. Amish - Please call 569-2106 or 6800 before Thurs. 12/12 5:00 p.m.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

DOOR PRIZE: Purebred Heifer Calf...must be a buyer to be eligible to win.

MELVIN KOLB, Sale Manager

ROBERT C. MULLENDORE, Auctioneer AU-000644-L

HENRY KETTERING, Pedigrees

PA FARM: Dennis Kolb, Manager (717) 569-2106 or 569-6800
MD FARM: Thomas Kolb, Manager (301) 898-7220 or 898-7663

For those times when all your cows need is vitamins and minerals,

IT'S TIME FOR PURINA®* SUPPL-MINERAL™

BRAND MINERAL SUPPLEMENT

Economical Purina Dairy Suppl-Minerals

For use with forage programs that are already giving your cows enough protein and energy.

Purina Dairy Suppl-Mineral I
For Legume Forage Programs
NET WT 50 LB
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For Corn Silage or Corn Silage/Grass Forage Programs
NET WT 50 LB
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For Corn Silage, Grass, and Legume Forage Programs
Purina Dairy Suppl-Mineral III RM
Medicated
For Corn Silage, Grass, and Legume Forage Programs

GET A FREE BARN CLOCK!

See Purina's ad in the December issues of Hoard's Dairyman, Farm Journal Dairy Extra, Wisconsin Agriculturalist and Dairy.

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